

Notice of the Ministry of Science and Technology, the Ministry of Finance, the State Administration of Taxation and the General Administration of Customs on the Issuance of the 2006 Export Catalogue of China's High-tech Products

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[Source: [Peking University Magic Treasure](#)]

Issuing department: Ministry of Science and Technology; Treasury; State Administration of Taxation; Customs

[Release number] Guo Ke Fa Ji Zi [2006] No. 16

【Effectiveness level】 Department normative document

【Prescription Status】 Currently valid

Release Date: 2006-01-09

Implementation Date: 2006-01-09

Foreign trade ; contract

【Industry】 Public administration

Notice of the Ministry of Science and Technology, the Ministry of Finance, the State Administration of Taxation and the General Administration of Customs on the Issuance of the 2006 Export Catalogue of China's High-tech Products

(Guo Ke Fa Ji Zi [2006] No. 16)

In order to adapt to the rapid development of high-tech and products, promote the export of high-tech products, and optimize our country's export commodity structure, the Ministry of Science and Technology, the Ministry of Finance, the State Administration of Taxation and the General Administration of Customs jointly organized the revision and adjustment of the 2003 edition of the "Export Catalogue of China's High-tech Products" (hereinafter referred to as the "Export Catalogue"), forming the 2006 version of the "Export Catalogue", which is now officially released. The 2003 version of the Export Catalogue has been suspended.

Products listed in the 2006 edition of the Export Catalogue can enjoy the preferential policies given by the state for the export of high-tech products in accordance with the relevant regulations of the state; At the same time, products included in the 2006 edition of the Export Catalogue shall comply with national laws and regulations on commodity classification and export control when exported.

The 2006 version of the Export Catalogue is hereby issued to you, please follow it.

Ministry of Science and Technology
treasury
State Administration of Taxation
Customs

January 9, 2006

China High-tech Products Export Catalogue (2006)

Preparation instructions

In order to implement the strategy of promoting trade through science and technology, give full play to the advantages of science and technology, and promote the export of our country's high-tech products, in 1999, the Ministry of Science and Technology and relevant departments jointly released the 2000 version of the "China High-tech Products Export Catalogue" (hereinafter referred to as the "Export Catalogue"), and revised and released the 2003 version of the "Export Catalogue" in 2003. Since the release of the "Export Catalogue", it has played a positive role in standardizing and scientifically managing the export of high-tech products, implementing relevant national incentive policies, promoting the export of high-tech products, and accelerating the adjustment of the export commodity structure.

The products of the 2006 edition of the Export Catalogue are determined on the basis of the 2003 edition of the Export Catalogue, after the declaration of enterprises and the recommendation of relevant local departments, according to the principles of catalogue adjustment and relevant regulations, and by expert review. There are a total of 1,601 products listed in this Export Catalogue.

In order to facilitate the management of relevant departments, enterprise inquiries and customs declarations, the Export Catalogue is sorted according to the commodity sorting method in the Import and Export Tariff Rules of China Customs, and the corresponding technical field classification is carried out. Some of the products are subdivided into ten customs commodity numbers according to the "China Customs Import and Export Tariff Rules", and provide a more detailed description of the definition of products, which provides convenience for relevant departments and enterprises to implement national policies. In the actual use of the Export Catalogue, when the product is exported, the Export Goods Declaration Form filled in must be exactly the same as the

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from exports.

This "Export Catalogue" will be adjusted in a timely manner according to the actual situation.

About the "China High-tech Products Export Catalogue" technology

Explanation of the code in the field of surgery

In order to facilitate the users of the catalog to understand the technical field in which the product is located, this catalog divides the products into nine categories according to the scope of technical fields determined by the Ministry of Science and Technology and is identified by codes.

The technical domain code is established as follows:

01 - Electronic information;

02 - Software;

03 - Aerospace;

04 - Opto-mechatronics;

05-Biomedicine and medical devices;

06-New materials;

07 - New energy and energy-saving products;

08-Environmental protection;

09- Modern agriculture.

The yellow "Customs Commodity Code" in the catalog is the starting mark of each chapter of the Customs Commodity Classification.

serial number	Customs commodity number	Product Name	description	Technical field
1	12119039.99	Ganoderma lucidum spore powder	Spores of traditional Chinese medicine Ganoderma lucidum, used to enhance immune function.	05
2	13021990.97	Ginkgo biloba extract	Traditional Chinese medicine plant extracts are used to prevent and treat cardiovascular and cerebrovascular diseases.	05
3	13021990.97	Pine leaf extract	It is a white powder with a 10-DAB content of $\geq 98.0\%$. It is a prodrug of paclitaxel and is used as an anti-cancer drug.	05
4	13022000	Shiitake mushrooms are polysaccharides	In addition to the polysaccharides extracted from the fruiting body of shiitake mushrooms, there are also amino acids and other nutrients that are beneficial to the human body, which can fight viruses, anti-tumors, regulate immune function, etc.	05
5	17025000	Fructooligosaccharides	A variety of enzyme reactions and biochemical purification technologies were used to prepare health food with a fructose content of $> 90\%$.	05
6	21021000	Highly active dry yeast	The active dry bacteria prepared by pressed yeast with strong vitality after rapid dehydration at high temperature have the advantages of low water content, fast rehydration, storage resistance and easy use, and are used in food and medicine and other industries.	05
7	27040010	Special tamping metallurgical coke	Ash $\leq 12\%$, sulfur $\leq 0.60\%$, volatile content $\leq 1.50\%$, crushing strength 81.0% , wear strength $\leq 7.0\%$, used for large and medium-sized blast furnace ironmaking.	06
8	27081000	Anode asphalt	It is a binder for the production of pre-baked anodes for aluminum.	06
9	27131210	Special calcination	Sulfur has a weight ratio of $< 0.8\%$, volatile content $< 0.6\%$, and fixed carbon $> 98.0\%$, and is used as an anode material in the aluminum smelting industry.	06
10	27131210	Clean anode coke	The sulfur weight ratio is $< 0.8\%$, the silicon content is $\leq 0.03\%$, the vanadium content is	06

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11	28020000	High purity sulfur	Preparation of compound semiconductor materials, optoelectronic devices, glass semiconductors, etc.	06
12	28045000.90	High-purity tellurium	Purity > 5N for the preparation of compound semiconductor materials.	06
13	28046110	Monocrystalline silicon rods	It has a diameter of $\geq 7.5\text{cm}$ and a silicon content of $\geq 99.99\%$ and is used in the electronics industry.	06
14	28046120	Monocrystalline silicon rods	With a diameter $< 7.5\text{cm}$ and a silicon content of $\geq 99.99\%$, it is used in the electronics industry.	06
15	28046190	High-purity polysilicon	Diameter $30\sim 100\pm 5\text{mm}$, purity >5N, N-type $200\sim 800\Omega\text{cm}$, P-type $3000\sim 8000\Omega\text{cm}$, used in the electronics industry.	06
16	28048000	High purity arsenic	Purity > 5N for the preparation of compound semiconductor gallium arsenide.	06
17	28049010	Selenium crystal rods	Doped for use in the electronics industry.	06
18	28049090	High purity selenium	Purity > 5N, used for the preparation of toner cartridge materials, optoelectronic materials, and optical instrument materials.	06
19	28092010	phosphoric acid for electrons	Colorless transparent viscous liquid, purity $\geq 85\%$, the rest is ionized water, no visible particles, total heavy metal content $\leq 4\text{ppm}$, sodium and potassium ion content $\leq 1\text{ppm}$, used as a cleaning agent in the production of integrated circuits.	06
20	28111990	Flake phosphite	Phosphorus trichloride is used as raw material, prepared by hydrolysis, vacuum evaporation, filming and other processes, with a content of 99.5% , and is used as a food additive, flame retardant, and surfactant.	06
21	28112200	White carbon black	Also known as activated silica, it is a white powder with very fine particle size and a very large specific surface area, with a content of 90% and a specific surface area of $50\sim 380\text{m}^2/\text{g}$, which is used as a reinforcing filler for rubber and plastics.	06
22	28129000.90	carbon tetrafluoride	Gaseous, cylinder packaging, CF_4 volume content $\geq 99.90\%$, electronic grade CF_4 $\geq 99.99\%$, mainly used in the electronics industry.	06
23	28129000.90	Sulfur hexafluoride	High-voltage insulating medium material, gas, cylinder packaging, SF_6 content $\geq 99.9\%$, mainly used for insulation protection in the electrical industry.	06
24	28201000	Electrolytic manganese dioxide	It is an efficient depolarizer for mercury-free alkaline-manganese batteries, making the produced alkaline-manganese batteries green mercury-free batteries.	06
25	28209000	High purity manganese tetroxide	The Mn content $> 71\pm 0.5\%$, the silica content $\leq 0.015\%$, and the average particle size $0.8\sim 1.2\mu\text{m}$, which is used for the production of manganese-zinc ferrite.	06
26	28220090	Cobalt oxide	Purity > 2N, used in the production of high-purity metal cobalt and cobalt compounds, used as raw materials for magnetic materials, rechargeable batteries, and superalloys.	06
27	28230000	titanium dioxide	White powder with a purity > 99.8% for use in the chemical, environmental protection and electronics industries.	06
28	28241000	High purity lead oxide	Purity > 4N for the production of functional ceramics, camera tube target material flux.	06
29	28253010	High-purity vanadium pentoxide	Colorless and odorless black flakes with a purity of > 4N and a diameter of < 30mm , used in the smelting of vanadium alloys and materials for electronic devices in the steel and aviation industries.	06
30	28258000	High-purity antimony trioxide	Purity > 5N, used for the preparation of high-purity metal antimony, antimony compounds, anti-gloss agents and materials for electronic components.	06
31	28259019.10	Blue calcium oxide	Calcium oxides.	06
32	28259090.10	Calcium peroxide	Calcium oxides.	06

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			phosphorus salt and BiGeO ₃ single crystal.	
36	28259090.90	High purity niobium pentoxide	Purity > 4N, used for the preparation of intraocular lens lithium niobate single crystal, high-purity metal niobium powder, etc.	06
37	28259090.90	High-purity ultra-fine zirconia powder	White powder, the main component is zirconia, the content of zirconia is >99%, the average particle size is < 1μm, used to make fine ceramics, insulating materials, heat-sensitive materials.	06
38	28259090.90	Tantalum pentoxide	It is a tantalum and niobium oxide, with high melting point, corrosion resistance, good cold working performance and other characteristics, and is used in electronics, steel, machinery, aviation and other fields.	06
39	28311000	Insurance powder	Also known as sodium disulfite, it is produced by the third-generation sodium formate method and is mainly used in the printing and dyeing and paper industry.	06
40	28342910	Cobalt nitrate	It has a purity of > 2N and is used in the production of metal cobalt and cobalt compounds as raw materials for magnetic materials, rechargeable batteries, and superalloys.	06
41	28366000	Low-sulfur barium carbonate	The sulfur content <0.03% and the barium carbonate content >99%.	06
42	28366000	Ultrafine barium carbonate	Ultra-fine, needle-shaped, with an average particle size < 200nm and a purity of >99.9%.	06
43	28369930	Cobalt carbonate	It has a purity of > 2N and is used in the production of metal cobalt and cobalt compounds as raw materials for magnetic materials, rechargeable batteries, and superalloys.	06
44	28369990.90	Zirconium carbonate	Waterproof and mildew inhibitor, zirconia ≥ 40.0%, carbon dioxide ≥ 7.0%, used as fixing agent and flame retardant for fiber and paper surface treatment, and also used in the building materials industry.	06
45	28399000	Lead silicate	Lemon-yellow glass-like particles, with a particle size of 2.36~106μm, are used as raw materials for lead-containing glass such as electric vacuum, optics, and radiation protection.	06
46	28403000	High stability perboric acid monohydrate	White crystalline particles, the main component is sodium NaBO ₃ ·H ₂ O, reactive oxygen species 15.1~15.9%, moisture stabilizer ≤18%, bulk specific gravity 550~700g/cm ³ , mainly used in the paper industry and the production of detergents and toothpaste.	06
47	28419000.90	Lithium tantalate crystals	Transparent crystals, used for light transmission or sensors.	06
48	28419000.90	Lithium niobate crystals	Transparent crystals, used for light transmission or sensors.	06
49	28492000	Special powder for piezoelectric crystal processing	Powder granular, light green in color, SiC > 99.27%, free C < 0.17%, Fe ₂ O ₃ < 0.16%, mainly used in the manufacture of resonators, oscillators, clippers, etc.	06
50	28492000	Ultrafine silicon carbide powder	Light gray or green powder, with an average particle size of < 5μm and a purity of ≥ 98.5%, is used to make various fine ceramic parts such as wear-resistant materials, heat dissipation plates, and kiln tools.	06
51	28492000	Large crystalline silicon carbide electronic engineering materials	The purity ≥ 98.5%, and it is used to make semiconductor chips, solar cells, silicon materials and artificial crystals.	06
52	28499020.10	Ultrafine tungsten carbide powder	A new type of powder material with a particle size of 0.1~0.6μm, which is used to manufacture carbide micro drill bits, finishing cutting inserts and other products.	06
53	28499020.90	High purity tungsten carbide powder	Purity > 99.95% and is used to make carbide cutting tools, etc.	06
54	28500000.90	High-purity ultra-fine aluminum nitride	White or gray powder with a content of > 99% and an average particle size of < 5 μm is used in the manufacture of fine ceramics.	06

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57	29033090.90	Difluoroethane	Colorless transparent liquid, no odor, molecular formula CHF ₂ CH ₃ , produced by acetylene liquid phase method. Purity ≥ 99.9%, moisture ≤ 0.001%, acidity (HCl) ≤ 0.0001%, evaporation residue ≤ 0.01%. It is used as a refrigerant and is the main raw material for the production of HCFC-142b.	06
58	29033090.90	Heptafluoropropane	Ideal alternative to ozone-depleting substances (HFC-227ea), purity ≥ 99.6%, moisture ≤ 10mg/kg, acidity 1mg/kg, evaporation residue ≤ 0.01%, no visible suspended solids or precipitate, used as fire extinguishing agent.	06
59	29052290	Solanol	White or light yellow powder, odorless and odorless, with a content of > 90%, is a primary alcohol with 9 isoprene groups. It has strong anti-cancer biological activity and is an intermediate for the synthesis of anti-cardiovascular disease, anti-cancer, anti-ulcer drugs, and is mainly used for the synthesis of coenzyme Q10 and vitamin K12.	05
60	29061320	Inositol	White crystalline powder or colorless transparent needle-like crystals. It is made of calcium phytate as raw material, through hydrolysis, neutralization, concentration, crystallization, control and other processes, and the content is ≥ 98.0%. It is a vitamin and hypolipidemic drug, promotes fat metabolism in the liver and other tissues, is used for the adjuvant treatment of fatty liver and hypertension, and can be used as health food, feed additives and daily chemicals.	05
61	29061900	Sterols	Extracted from natural plants, it is > 90% pure and is a raw material for pharmaceutical products.	05
62	29093000	Benzoin dimethyl ether	White crystal, is a photosensitive initiator, with a content of > 99.5% and volatile ≤ 0.2%, used in UV curing systems.	06
63	29094910	M-phenoxybenzyl alcohol	pyrethrin-based pesticides and important intermediates in medicine, with a content of ≥ 99.5%.	05
64	29094990.90	ethylene glycol phenyl ether	Colorless transparent liquid, prepared by compound catalytic process with ethylene glycol and phenol as raw materials. Boiling point 244.7°C, flash point 128°C, relative density 1.11, volatility < 0.01, pH value 7~8. It is used as a solvent and improver for paints, inks, ballpoint pen oils, etc.	06
65	29095000	Guiaoxin is a form of xylol	Spice intermediates.	05
66	29121900.10	Glyoxaldehyde	The appearance color (Pt-Co) ≤ 15#, the glyoxal content is ≥ 40%, and the glycol content is ≤ 0.8%. Raw materials for organic synthesis, used in the preparation of medicines, pesticides, water treatment agents, etc.	06
67	29142200	Cyclohexanone	Light color transparent liquid, galvanized iron drum packing. Using benzene as raw material, it is made of catalytic air oxidation cyclohexane process, with a color ≤ 25Haze, a moisture ≤ 0.2%, an acidity ≤ 0.01%, and a mass fraction of ≥ 99.0%, which is used in the production of a variety of polymers and hexylionamide in the pharmaceutical, coating, and ink industries.	06
68	29143990	Benzophenone	White crystals, organic synthesis intermediates, purity ≥ 99.7%, used in the production of medicine, ultraviolet absorbers, photosensitizers.	06
69	29143990	4-Methylbenzophenone	Pharmaceutical, pesticide, dye intermediates, purity > 99%, moisture content < 0.2%, melting point 54~56°C.	06
70	29145090	Ketoprofen	White crystalline powder, insoluble in water, is a third-generation phenylpropionic acid non-steroidal analgesic and anti-inflammatory drug.	05
71	29145090	2-Hydroxy-4-n-octoxybenzophenone	White crystalline powder, 50kg carton, 100kg cardboard barrel packaging, purity ≥ 99.0%,	06

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			stannous content of $\geq 2.2\%$, and a viscosity of 200~300mPas.	
74	29161900.90	Potassium sorbate	Purity $\geq 98\%$, low-toxicity preservative.	05
75	29162090.90	Inulic acid	Liquid substance, a new high-efficiency and low-toxic permethrin insecticide intermediate, total acid content $\geq 98\%$, dextrosomal ratio $\geq 99\%$, inorganic salt content $\leq 1\%$, acetone insoluble $\leq 0.1\%$.	05
76	29163200	benzoyl chloride	Colorless transparent irritating liquid, dye intermediate, structural formula C_6H_5CClO . It was prepared by benzyl trichloride process, with three specifications of 99.0%, 99.5% and 99.8%, and was used for the synthesis of fragrances and benzylation reagents.	06
77	29171900	Fumaric acid	The content $\geq 99.8\%$, which is an acidulant with antiseptic and preservation effects, and is also used as a binder and foaming agent.	05
78	29171900	Enzyme chlorhylamic acid	White odorless crystals with molecular formula $C_5H_6O_6$ are prepared by dual-enzyme sugar production technology, deep ventilation fermentation, and direct crystallization method. The content is $> 99.5\%$, drying weight loss ($100^\circ C 2hr$) $< 3\%$, burning residue $\geq 0.01\%$, iron content $\leq 0.0005\%$, heavy metal $\leq 0.0005\%$, used in the production of clear lead, synthetic resin, plastic, rubber, surfactant, etc.	06
79	29181100	L-lactic acid	Acidulants, food additives.	05
80	29181400	citric acid	The conversion rate is $\geq 98\%$, the fermentation cycle is ≤ 70 hours, and the total yield is $\geq 87.5\%$.	05
81	29181990.90	Gallic acid	White crystalline powder, with a content of 99.5%, is made by alkaline hydrolysis and acidification of gallupies or tara powder, and is used in medicine, dyes, chemical industry and organic synthesis.	05
82	29189000.90	Wheat grass is afraid of the original drug	White to off-white crystalline powder, pH value 1.0~3.5, dry weight loss $< 1.0\%$, burning residue $< 0.1\%$, used as a high-efficiency and low-toxicity herbicide.	09
83	29189000.90	3,4,5-trimethoxybenzene	Compounds of benzoic acid, aromatic monocarboxylic acid, formic acid extracted from gallopers, pharmaceutical intermediates.	05
84	29211990.90	taurine	White needle-like crystalline or crystalline powder with a content of 99.6%, made of monoethanolamine as raw material, through esterification, reduction reaction and other processes. It has the effects of anti-inflammatory and analgesic, hypoglycemic, blood pressure, blood lipids, maintaining normal brain function, and improving immunity, and is used in food additives, baby food fortifiers, feed additives and daily chemical products.	05
85	29212900.90	Triethylenediamine	White flakes with a content of $> 99.0\%$ are special chemical catalysts and intermediates, and are also used as pesticide intermediates.	06
86	29213000.90	Amantadine hydrochloride	White crystalline or crystalline powder with a content $\geq 99.0\%$. It is a new antiviral drug used to prevent and treat influenza caused by influenza A virus.	05
87	29215110	O-phenylenediamine	White powder, a pesticide intermediate, is also used as a raw material for dyes, developers, and surfactants.	06
88	29215190	2,5-Dimethylp-phenylenediamine	Yellow or greenish-yellow powder with a content of $\geq 75\%$.	06
89	29222100	High quality H acid	White to light gray fluid powder, 28kg woven bag packaging, $\geq 85\%$, chromic acid $\leq 1.0\%$, is a dye intermediate.	06
90	29222900	P-aminophenol	White to light gray granular crystals, purity $> 97\%$, woven bag packaging, using p-nitrophenol as raw material, produced by liquid phase catalytic hydrogenation process and inorganic membrane filtration technology. With a melting point of $186.0\sim 190.0^\circ C$ and a heavy	06

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91	29223900.90	1-Aminoanthraquinone	Production and refining with anthraquinone as raw material, with a content of $\geq 98\%$ and a diaminoquinone content of $\leq 0.6\%$, which is the main intermediate of pigments.	06
92	29224210	L-glutamic acid	White crystals or powders, amino acid products.	05
93	29224910	glycine	It is an amino acid nutritional additive with a content of 98.5%, which is used in the food, medicine and feed industries.	05
94	29224910	L-proline	Needle crystals, amino acid products.	05
95	29224910	L-leucine	Amino acids necessary for human nutrition.	05
96	29224910	L-Alanine	Amino acids necessary for human nutrition.	05
97	29224910	L-valine	White crystalline or crystalline powder, produced by fermentation, is one of the eight essential amino acids for the human body. It is used to treat diseases such as liver failure, can speed up wound healing, and is also used as an intermediate for APIs and food additives.	05
98	9224910	L-aspartic acid	Also known as L-aspartic acid, white crystalline powder, is used in food, medicine and other industries.	05
99	29224910	Sarcosine monohydrate	Nutritional supplement, with a purity of $\geq 99.8\%$, is used to inhibit muscle fatigue, restore physical fitness, and promote protein synthesis in the human body.	05
100	29224991	procaine	White crystalline or crystalline powder, 25 kg cardboard bucket and 0.5 kg listening package, used as a local anesthetic.	05
101	29224999	Phenylalanine ethyl hydrochloride	Pharmaceutical intermediates, purity $\geq 99.0\%$, optical rotation $\geq 38^\circ$, drying weight loss $\leq 1.0\%$.	05
102	29224999	Glycine ethyl hydrochloride	White needle-like crystals, permethrin pesticide intermediates, content $\geq 98.5\%$, glycinate $\leq 1.5\%$.	09
103	29225000	5-Aminosalicylic acid	Gastrointestinal anti-inflammatory drugs used to treat ulcerative colitis.	05
104	29225000	L-tyrosine	Colorless or white needle-like crystalline powder, amino acid products.	05
105	29225000	L-threonine	White crystalline powder, amino acid products.	05
106	29239000	Left carnitine	White or white-like crystalline powder, made of epoxy chloropropylene as raw material, through amination, cyanidation, hydrolysis, ion exchange and other processes. Its main function is to promote lipid metabolism and provide energy and ATP to cells. It is used as a food and feed additive and is clinically used to prevent and treat levocarnitin deficiency.	05
107	29241990.90	L-asparagine	White crystalline powder, content 98.5~101.0%, made by high-density fermentation, molecular ultrafiltration and chromatography technology. The titer $> 150\text{ku/mg}$, the specific activity $> 250\text{ku/mg}$, the purity of SDS-gel electrophoresis is a band, the heat source is negative, and it is used as a pharmaceutical intermediate, food additive and cosmetic additive.	05
108	29242990.90	aspartame	High-sweetness sweetener with $>98.5\%$ purity and low calorie for use in the food industry.	05
109	29242990.90	5-Acetylsalicylamide	Also known as salicylamide, white or light yellow powder, content 98.0%, Fe $\leq 15\text{ppm}$, used as fine chemical intermediates.	06
110	29262000	Dicyanamide	Electronic grade dicyanamide, white crystal or powder, content $\geq 99.8\%$, moisture $\leq 0.20\%$, used as a curing agent for copper clad laminates.	06
111	29269090.90	Monocyanamine	Liquids and crystals, monocyanamide liquid content $> 50\%$, crystal content $> 98\%$.	06
112	29309090.90	High purity p-hydroxyphenylthiophenol	Colorless or light yellow transparent liquid or crystal, molecular formula $\text{C}_6\text{H}_6\text{OS}$, with p-aminophenol as the main raw material, prepared by diazotization and refining. P-hydroxyphenylthiophenol $\geq 99.0\%$, phenol $\leq 0.5\%$, 4,4,-dihydroxydiphenyl disulfide $\leq 0.8\%$, zinc $\leq 20\text{mg/kg}$. Fine Fe_2 intermediates are	06

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		phosphine oxide	production of photocopy coatings, photosensitive inks, photosensitive adhesives, packaging materials, etc.	
114	29322900	Cumbertin	White crystalline powder is a secondary metabolite of fungi, which is an HMG-CoA reductase inhibitor with a molecular formula of C ₂₃ H ₂₄ O ₅ , and is used as an intermediate or raw material for the production of the lipid-regulating drug pravastatin.	05
115	29322900	Spironolactone	A finely crystalline powder of white or almost white with a molecular formula of C ₂₄ H ₃₂ O ₄ S. It is made of androstene dione as raw material, prepared by etherification, dehydrogenation, degreasing and thiopho, with a slight thiol odor, and gradually deteriorates in light and is used as a steroidal diuretic.	05
116	29329910	Furanol	Fine chemical products, ≥ purity, free phenols ≤ 0.06%, used as pesticide intermediates.	05
117	29329990	Brassin intralipid raw material	Plant growth regulator, non-toxic, highly effective, low dosage, used to regulate plant growth.	09
118	29332900.90	Metronidazole	White or slightly yellow crystalline powder, content ≥99.3%, melting point 159~163°C, drying weight loss ≤0.5%, used as anti-inflammatory and antibacterial agent.	05
119	29332900.90	Dimethnimidazole	Veterinary antimicrobials, also known as dimezole, are the first choice for the treatment of pig dysentery and are also used as feed additives.	05
120	29333990.90	Clopyrine	Antiseptic additives.	06
121	29335900	Trimethoprim	White or white-like crystalline powder, slightly soluble in methanol and slightly soluble in water. It is an antibacterial synergist, and when combined with antimicrobial drugs, it can increase the sterilization rate by 4~50 times.	05
122	29335900	Dideoxyinosine	White crystalline powder, with inosine as the starting material, is prepared by bromination, elimination, reduction and deoxygenation protection. The moisture < 1.0%, the content is ≥99%, the burning residue < 0.5, and the specific rotation is -20~-29°, which is used as an intermediate for anti-HIV drugs.	05
123	29336100	melamine	White powder, purity ≥ 99.8%, ash content ≤ 0.03%, moisture content ≤ 0.1%, turbidity ≤ 20, color ≤ 20, pH value 7.5~9.5, used for plastic product modification.	06
124	29336922	Trichloroisocyanuric acid	White crystalline powder, 40kg, 25kg lined with double-layer bags, barrels of 1kg/drum (5 pieces), 1kg/drum (10 pieces), 0.5kg/drum (10 pieces), made by one-step two-stage continuous synthesis process. It has a specific gravity of 0.96, a melting point of 225~230°C, an available chlorine content of 88~90%, a solubility of 1.2g/100g (25°C), and a p H value of 2.7~2.9 in 1% aqueous solution, which is used as a broad-spectrum and high-efficiency fungicide.	06
125	29337900.9	Brain rehabilitation	Also known as N-acetamide pyrrolidone, white crystalline powder, is used to treat cerebral arteriosclerosis and the decline of memory and thinking function caused by cerebrovascular accidents.	05
126	29337900.90	Olaracetam	White crystalline powder, the content is determined to contain olaracetam ≥99%, related substances < 0.5%, chloride ions < 140ppm, drying weight loss 0.5%, burning residue 0.1%, heavy metal 10ppm, used as a brain function improver.	05
127	29339900	guanine	White crystalline powder, odorless and tasteless, with a content of > 98%. Using ethyl cyanoacetate as raw material, it is prepared by nitrosation, catalysis, hydrogenation, closed-loop and other steps after cyclic combination with guanidine nitrate under alkaline conditions,	05

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128	29339900.90	Albendazole	dry weight loss ≤ 0.2%, burning residue ≤ 0.2%, iron salt ≤ 0.0030%. It is a highly effective and broad-spectrum anthelmintic drug used for the treatment of intestinal parasitic diseases in animals.	05
129	29339900.90	High purity electronic grade pyrrole	Colorless to yellow transparent liquid, flammable, molecular formula C ₄ H ₄ N, content ≥ 99.9%, moisture ≤ 0.1%, used as conductive material, etc.	06
130	29341000.90	Nizatidine	White or white-like crystalline powder, which is an H ₂ receptor antagonist, has the effect of inhibiting gastric acid secretion, is 10 times stronger than cimetidine, and has an anti-ulcer effect comparable to ranitidine, which is mainly used in clinical practice for the treatment of active duodenal ulcer and benign gastric ulcer.	05
131	29349930	RNA	Nucleic acid nutrition products extracted from natural plant cells. Nucleic acid ≥ 500mg/g, protein ≥ 5%, total colony ≤ 10000cfu/g, yeast ≤ 25cfu/g.	05
132	29349990.90	Levamidazole phosphate	White or yellowish crystalline powder with a content of ≥ 98.5% and a total impurity ≤ 1.0%, used as an insect repellent for animal husbandry.	05
133	29349990.90	Ifosfamide	White crystalline or crystalline powder is made of propanol amino, reacted with phosphorus chloride, and then reacted with chloroethylamine and chloroacetyl chloride. According to the dry product, the content is 98.0~102.0%, the content of related substances is ≤ 0.025%, the pH value is 4.0~7.0, the moisture ≤ 0.2%, and the heavy metal ≤ 0.002%, which is used as an antitumor drug.	05
134	29350090	Famotidine	White or white-like crystalline powder, odorless, slightly bitter taste. Methylthiourea was used as raw material, side chain and double salt were synthesized, alkalized, and then refined with ethanol, with a total yield of 48.73%. It is a histamine H ₂ receptor blocker and is clinically used to treat gastrointestinal ulcers.	05
135	29350020	Sulfadimethylpyrimidine	White or yellowish crystalline powder, sulfonamides, used to treat infections caused by brain, pneumococcus and gram-negative bacillus.	05
136	29350090	A-K sugar	Also known as acesulfame potassium, white powder, sweetener, used in the food industry.	05
137	29350090	Bumetani	White crystalline powder, synthesized by chemical process. The content is ≥ 98.5%, the melting point is 231~235°C, and it is used as a diuretic drug.	05
138	29350090	Hydrochlorothiazide	White crystalline powder, packaged in 25kg cardboard drums, made by amination process. According to the calculation of dry products, it contains 98.0~102.0% hydrochlorothiazide, 0.5% dry weight loss, 0.1% burning residue, 0.035% chloride, and 0.001% heavy metal, which is used for the treatment of various types of edema and hypertension.	05
139	29350090	acesulfame potassium	White crystalline powder, content 99~101%. The taste is similar to sucrose, the sweetness is 200 times that of sucrose, it is not metabolized in the body, does not produce calories, and is used as a sweetener.	05
140	29362100	Vitamin A powder	It has the effect of promoting growth, maintaining epithelial tissue, and enhancing retinal photosensitivity.	05
141	29362200	Vitamin B1		05
142	29362300	Vitamin B2	Also known as riboflavin.	05
143	29362400	D-calcium pantothenate	White powder with calcium content of 8.2~8.6% for food, medicine and feed industry.	05
144	29362500	Vitamin B6		05
145	29362600	Vitamin B12		05
146	29362700	vitamin C		05

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151	29362900	Vitamin H	White and white-like powder, made of dextroamine and cyclic acid as raw materials, is prepared through 8-step synthesis processes such as condensation and reduction. The content is 98.5~101.0%, melting point 229~232°C, optical rotation +89~+93°, used in feed processing, APIs, cosmetics, health care products and beverage industries.	05
152	29369000	Vitamin A/D3 powder	A microcapsule product mixed with VA and VD3 in a certain ratio.	05
153	29371200	Recombinant human insulin raw material powder	White crystalline powder, produced using recombinant DNA technology and genetic technology, with a purity of 99% and a potency > of 27.5 units/mg, is used for the treatment of diabetes.	05
154	29371900	Chorionic gonadotropin		05
155	29372290	Dexamethasone sodium phosphate	White powder, steroidal hormone API, has anti-inflammatory, anti-skin allergic and other effects.	05
156	29372290	Qu'an Xilong	White crystalline powder, the raw material of steroidal hormones, is used to treat rheumatoid arthritis, allergic dermatitis, etc.	05
157	29372290	Triamcinolone acetonide/triamcinolone	White crystalline powder, the raw material of steroidal hormones, is used to treat various skin diseases, joint pain, bronchial asthma, etc.	05
158	29372290	Fluorine acetate	White powder, steroidal hormone API, used to treat allergic dermatitis.	05
159	29372290	Budesonide	White powder, steroidal hormone API, has significant anti-inflammatory, anti-allergic, anti-exudative and anti-pruritic effects.	05
160	29372300	Methylnoreogestrel	White crystalline powder, progesterone drugs, used to treat menstrual irregularities, functional uterine bleeding, endometriosis, etc.	05
161	29372300	Levonorgestrel	Also known as L-methylnorethisterone, white crystalline powder, progesterone, used as a contraceptive.	05
162	29372300	Progesterone	White or almost white crystalline powder, made of dienolone acetate as raw material, prepared by reduction reaction, hydrolysis reaction and Vods oxidation reaction. The content of the main components is ≥97%, the specific rotation is +186~+194°, the drying weight loss is ≤0.5%, the melting point is 129~131°C, the individual impurities are ≤0.35%, and the total impurities are ≤0.5%, which are used as intermediates for hormonal drugs or the synthesis of other steroidal drugs.	05
163	29372300	Cyproterone acetate	White solid powder, made of hydroxyprogesterone as raw material, synthesized by oxidation reaction, cyclopropylation reaction, esterification reaction, etc., to obtain crude products, and then purified. Cyproterone acetate ≥98%, maximum impurities ≤ 0.15%, total impurities ≤ 0.4%, benzene residue ≤ 2ppm, used as hormonal drugs.	05
164	29372900	Hydrocortisone acetate	White crystalline powder, adrenocorticosteroids, for the treatment of active rheumatism, rheumatoid arthritis, allergic dermatitis and allergic conjunctivitis.	05
165	29372900	Hydrocortisone butyrate	White crystalline powder, steroidal hormone API, has anti-inflammatory effects.	05
166	29379000	Dehydroepiandrosterone	White crystalline powder, made of diglycolone acetate as raw material, is prepared by chemical reaction of oxime, rearrangement and hydrolysis. The content of dehydroepiandrosterone is ≥99.0%, melting point is 149~151 °C, drying weight loss ≤0.5%, specific rotation +12~+15°, single impurity ≤0.1%, total impurity ≤ 1.0%, used as an intermediate for hormonal drugs and other steroidal drugs, and can also be used as food additives and cosmetic additives.	05

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168	29399990	High tricuspid acidine	Antineoplastic drugs.	05
169	29400000	Methyl- α -D-amino	White crystals, the raw material chitin is extracted by dissolution, glucose hydrochloride decolorization, alkylation and other processes. The content is 98~102%, the optical rotation is $104\pm 1^\circ$, and the pH value is 5.0~6.5, which is used for joint repair and can treat arthritis.	05
170	29411099	Penicillin V potassium	Medical anti-infectives, oral preparations, prepared by biological fermentation.	05
171	29411099	Penicillin sodium	Anti-infection antibiotics.	05
172	29412000	Dihydrostreptomycin sulfate	It is used to treat tuberculosis, meningitis, intestinal infections, pneumonia, peritonitis, sepsis, etc.	05
173	29413020	Doxycycline hydrochloride	Antibiotics.	05
174	29413020	Methylene oxytetracycline hydrochloride	Yellow crystalline powder, derivative of oxytetracycline, antibiotic.	05
175	29415000	Erythromycin		05
176	29419030	Rifampicin	Brownish-red crystalline powder used against tuberculosis.	05
177	29419040	Lincomycin hydrochloride	Medical broad-spectrum antibiotics, APIs, for the treatment of gram-positive bacterial infections.	05
178	29419090	Bacillus polypeptides	New animal growth-promoting feed additive, good stability, no residue, growth promotion.	05
179	29419090	Cyclosporine	A new type of immunosuppressant, mainly used for anti-rejection of kidney, liver, heart, lung, and bone marrow transplantation.	05
180	29419090	Ivermectin	White or yellow crystalline powder, soluble in organic solvents, virtually insoluble in water. The inner packaging is made of plastic bag, and the outer packaging is made of aluminum listening. H2B1 content 95.0~102.0%, veterinary antiparasitic drug.	05
181	29419090	Tai Miao mycin	White or white-like powder, antibiotic drugs, are made by basidiomycetes fermentation to produce truncated phalolitin, and then semi-synthesized by sulfonation and acidification. The content of Taimiao mycosterin $\geq 97\%$, which is used to prevent and treat chronic respiratory diseases and mycoplasma swine pneumonia in chickens.	05
182	29419090	Colistin sulfate	Crystalline powder, packed in 20kg cartons and drums, produced by biological fermentation process. Specific rotation $-63\sim-73^\circ$, pH value 4.0~6.5, sulfate 16~18%, drying weight loss $<3.5\%$, burning residue $<1.0\%$, potency $>19000\text{u/mg}$. It has a strong antibacterial effect on gram-negative bacteria and is used as a feed additive.	05
183	29419090	Salinomycin	White crystalline powder, packaged in 25kg paper-plastic composite bags. Monary carboxylic acid polyether antibiotics have an inhibitory effect on gram-positive bacteria.	05
184	30019090.90	Chondroitin sulfate	White or light yellow powder, processed and extracted from animal cartilage as raw material, used as pharmaceutical intermediates and health supplement additives.	05
185	30021000	Recombinant bovine intestinal kinase	High recognition specificity and wide digestion conditions are used in the production of gene products.	05
186	30021000	Recombinant human interferon β stock solution and finished products	It has antiviral, antitumor and immunomodulatory effects, with a strength $>95\%$.	05
187	30021000	Hepatocyte auxin	Hepatoprotectors, new cytokine products, are used to treat hepatitis.	05
188	30021000	Recombinant human interleukin-2 for injection	Human cytokines prepared by modern biotechnology genetic recombination for the treatment of leukemia.	05
189	30021000	Recombinant interferon A-1b eye drops	Cytokines prepared by genetic recombination for the treatment of ocular viral infections.	05
190	30021000	Recombinant interferon A-2A suppository	Cytokines prepared by genetic recombination for the treatment of viral infections.	05

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		Diagnostic reagent	ins.	
194	30021000	Hepatitis B virus core antibody enzyme-linked diagnostic reagent	Antibody reagents are prepared using core antibodies for enzyme-linked immunodiagnostic kits.	05
195	30021000	Hepatitis B virus surface antigen enzyme-linked diagnostic reagent	Antigen reagents were prepared using surface antigens for enzyme-linked immunodiagnostic kits.	05
196	30022000	Typhoid Vi polysaccharide bacteria vaccine	Extracted from typhoid bacillus to refine immunotherapy for the prevention of typhoid fever.	05
197	30022000	Hepatitis B vaccine	Genetically engineered (CHO cells) to prevent hepatitis B.	05
198	30023000	Chicken New Domain Vaccine	Veterinary biological products, which are active vaccines that can effectively prevent and control chicken fever, are used for eye drops, nasal drops and drinking water disinfection.	05
199	30029090	Dental bacillus thuringiensis powder	The package is 25kg/155kg, the virulence titer is $\geq 5000\text{Ju/mg}$, and the crystal content is $\geq 9\%$. It is safe for people and animals, does not pollute the environment, and is used as a biological pesticide.	09
200	30041011	Ampicillin sodium injection	White powder, semi-synthetic broad-spectrum antimicrobial.	05
201	30041019	Chlorampicin gum pills	Semi-synthetic penicillin, which is a hard capsule and meets the CP2000 standard.	05
202	30041019	Penicillin sodium powder injection		05
203	30041019	Procaine penicillin powder injection		05
204	30042019	Cefazolin sodium injection	Semi-synthetic cephalosporins are used to treat infections of the respiratory tract, genitourinary system, skin tissue, bones and joints, biliary tract, etc. caused by sensitive bacteria.	05
205	30042090	Lincomycin hydrochloride injection	Medical broad-spectrum antibiotics for the treatment of Gram-positive bacterial infections.	05
206	30042090	Madumycin ammonium premix	Poultry drug, non-toxic side effects, used against coccidiosis.	05
207	30042090	Gentamicin sulfate extended-release tablets	Extended-release control oral agent, which has a strong inhibitory effect on gram-negative bacteria and tuberculosis bacillus.	05
208	30043100	Recombinant human insulin injection	Colorless transparent liquid, produced using recombinant DNA technology and genetic technology, with a purity of 99% and a potency $> 27.6\text{ units/mg}$, is used to treat diabetes.	05
209	30043200	Beclomethasone propionate aerosol	Topical potent corticosteroids, which directly act on the respiratory system and its mucous membranes, have a good effect on asthma and are used to treat allergic rhinitis.	05
210	30043900	Recombinant human growth hormone for injection	White freeze-dried powder is a pure protein hormone cloned by DNA recombination technology that is consistent with the structure of human endogenous growth hormone, containing 191 amino acids. The specific activity $> 3.0\text{ IU/mg}$, and the purity is $\geq 98\%$, which is used to promote height growth, accelerate wound healing, enhance body function and other effective drugs.	05
211	30044090.90	Theophylline controlled-release capsules	Sustained-release control oral agent, antiasthma drug, has asthma, cardiotonic and diuretic effects, and is used to treat bronchial asthma.	05
212	30044090.90	Tricuspid base preparation	Plant extracts, antitumor drugs.	05
213	30045000	Vitamin B6 extended-release tablets	It is used to inhibit various vomiting and prevent and treat isoniazid poisoning, arteriosclerosis and other diseases.	05
214	30049020	Biphenyldiesin is drugged	Active ingredient in traditional Chinese medicine, used to treat hepatitis.	05
215	30049052	Pien Zi Huang and products	Precious Chinese patent medicine.	05
216	30049053	White medicine		05
217	30049059.90	Dendrobium officinale capsules	Dendrobium officinale is used as the main raw material and extracted into capsules, which has the effects of nourishing the stomach,	05

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219	30049059.9	Great Huo Luo Dan	Traditional Chinese medicine compound, pills, used to treat the sequelae of stroke, nerve palsy, sciatica, rheumatoid arthritis.	05
220	30049059.90	Angong Niu Huang pills	Traditional Chinese medicine compounds, pills, are used to treat stroke, head injury consciousness disorder, various encephalitis, high fever, acute jaundice hepatitis, viral hepatitis, etc.	05
221	30049059.90	Black chicken white phoenix balls	Traditional Chinese medicine compounds, pills, have the effects of nourishing qi and blood, correcting the root, regulating menstruation and relieving pain, and are used to treat chronic protracted hepatitis, anemia and a variety of chronic blood diseases with qi and blood deficiency and liver and kidney insufficiency.	05
222	30049059.90	Relieves cough and wheezing	Traditional Chinese medicine Manshan red leaf extract, syrup, cough and phlegm, relieve cough and phlegm.	05
223	30049059.90	Thrombosis and heart disease are calm	Compound extract of traditional Chinese medicine, used for the treatment of coronary heart disease, cerebral thrombosis.	05
224	30049059.90	Qi stagnation stomach pain granules	Traditional Chinese medicine extracts, granules, used to treat stomach bloating and pain.	05
225	30049059.90	Eliminate plugging	Traditional Chinese medicine compound extract preparation for the treatment of cerebral thrombosis.	05
226	30049059.90	双黄连制剂	三味中药提取物的制剂, 用于治疗上呼吸道感染。	05
227	30049059.90	小柴胡冲剂	中药复方提取物颗粒剂, 用于治疗少阳症。	05
228	30049059.90	银黄口服液	中药提取物, 口服液, 用于治疗上感、咽炎、扁桃体炎。	05
229	30049059.90	Tripteroid vine pieces	Traditional Chinese medicine tripterygium extract, tablets, used to treat rheumatoid arthritis.	05
230	30049059.90	Diao Xinxuekang Capsule	Total saponins of yellow yam extracted from traditional Chinese medicine plants, capsules, class II drugs, used for the treatment of coronary heart disease.	05
231	30049059.90	Sanqi total glycosides	The total saponins extracted from Panax notoginseng have antiplatelet aggregation and thrombolytic effects, and are used to lower blood pressure, analgesia, anti-atherosclerosis, dilate cerebral blood vessels, increase cerebral blood flow, and lower blood sugar.	05
232	30049059.90	Wheat ginseng granules	Ginseng, Ophiopogon and Schisandra chinensis three herbal extracts, granules, tonics, used to treat heart failure shock.	05
233	30049059.90	Compound Danshen drop pills	Water-soluble salvia and Panax notoginseng total saponins are extracted from salvia to make drop pills for the treatment of coronary heart disease.	05
234	30049059.90	Niu Huang Qingxin pills	Compound extracts, pills, clear heat, drain fire, detoxify.	05
235	30049059.90	Compound rock cabbage vegetarian flakes	The monomer rock cabbage extracted from plants such as rock cabbage and chlorpheniramine compound tablets relieve cough and asthma, and are used to treat chronic bronchitis.	05
236	30049059.90	Gastrodia	Gastrodia glycosides extracted from Gastrodia, tablets, capsules, and injections, are used to treat neurasthenia and vasoneuropathic headaches.	05
237	30049059.90	Blood plug injection	The injection of Panax notoginseng total saponins extracted from Panax notoginseng is used for the treatment of cerebral ischemic disease and coronary heart disease.	05
238	30049059.90	Gynostemma total glycoside tablets	Preparation of total glycosides extracted from traditional Chinese medicine gynostemma, tonic medicine.	05
239	30049059.90	Barley ester injection	Esters extracted from traditional Chinese medicine barley, injections, anti-tumor.	05

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241	30049059.90	Heart Konin capsules	Light brown yellow powder, traditional Chinese medicine compound capsule, aluminum plastic blister packaging, specification 0.2g×24×10×30, composed of salvia, notoginseng, safflower, toad crisp, buffalo horn powder, artificial bezoar, ginseng, borneol and other 9 flavors. It is used to treat coronary heart disease and angina.	05
242	30049059.90	Yellow hollyhock flower capsules	Tan powder, traditional Chinese medicine capsule, made from the natural plant hollyhock flower through supercritical CO2 extraction. Each capsule contains hypericin >5mg for the treatment of chronic nephritis.	05
243	30049060	Artemether injection	It is used to treat falciparum malaria, etc.	05
244	30049060	Artesunate	Artemisinin derivatives, APIs, are used for the rescue of cerebral malaria and various critically ill patients.	05
245	30049090.90	Enalapril tablets	Antihypertensives.	05
246	30049090.90	Captopril tablets	White or sugar-coated tablets used to treat cardiovascular diseases.	05
247	30049090.90	Carbon-platinum preparations	It is used for the treatment of small cell lung cancer, ovarian cancer, testicular tumors, head and neck squamous cell carcinoma and malignant lymphoma.	05
248	30049090.90	Elemene emulsion injection	Plant extracts, emulsifying injections, antitumors, class II drugs.	05
249	30049090.90	Bioprotein gel	It is made of collagen as a carrier, plus microproteogen, thrombin, kinase and calcium ions for hemostasis.	05
250	30049090.90	Biobinders	Made of simple fibrinogen, thrombin, kinase and calcium ions for skin grafting surgery.	05
251	30049090.90	Chitosan gel	It is extracted and modified from chitin to lower blood pressure, lower blood lipids, prevent tissue adhesion, and can be made into health products.	05
252	30064000	Ultrafine activated calcium carbonate	Hydroxyapatite content >50% and mineral grain size < 2μm, used for bone shaping or as a dental filling.	05
253	31025000	High purity granular sodium nitrate	White or light yellow granules, made using vibrating jet granulation technology. Sodium nitrate has a purity of > 99%, does not add any other ingredients, and is used in electronic chemicals, clothing, chemicals, medicine and other industries.	06
254	31027000	It's fat and pill	New nitrogen fertilizer varieties, also known as calcium cyanamide, are particularly suitable for acidic soils.	09
255	31052000.10	High concentration of multi-fertilizer	It contains nitrogen, phosphorus and potassium fertilizer effective elements, with high concentration and good water solubility, which meets the requirements of drip irrigation for fertilization.	09
256	32041100	Dispersion red 60	Brownish-red powder or granular, formed by l-aminoanthraquinone bromination, hydrolysis and condensation, mainly used for dyeing polyester fibers.	06
257	32041510	Synthetic indigo	Restore indigo.	06
258	32041590	Reduced brown 1	Dark brown powder, made of reduction, coupling, condensation, filtering, crushing and drying, is mainly used for printing and dyeing and undyeing printing of cotton, polyester-cotton blended fabrics.	06
259	32041700	Pigment Red R-122	It is used for coloring paint inks, plastics, resins, rubber, melt spinning, etc.	06
260	32041700	Pigment Blue 60	Blue powder, one-step condensation by liquid phase method, commercialized after reduction, oxidation, filtration and drying. It is resistant to sun, heat and solvents, and is mainly used for the coloring of synthetic fiber pulp and automobile topcoats.	06
261	32041700	Solvent green 5	Green-yellow powder, which is a nitrogen-containing and sulfur-containing heterocyclic dye, is refined by hydroxylation and is mainly used for the coloring of plastics and plexiglass.	06

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263	32041990	Masterbatches	pigments, dyes, and dispersants is added. The particle size is uniform, no color difference, good dispersion, no discoloration, and is used for coloring plastics, chemical fibers, rubber and other materials.	06
264	32041990	quinacridone organic pigments	Solid powder, packaged in anti-static large bags, made using the polyphosphoric acid method. Heat resistance 300°C, sun resistance level 7~8, water solubility 1.0%, used for coloring plastics, resins, paint inks, and rubber.	06
265	32049090	Solvent Red SR(195)	Dark red to purple powder, refined by nitriding and coupling, is mainly used for coloring plastics, rubber and ultra-fine denier fiber pulp.	06
266	32061110.10	Rutile titanium dioxide	Rutile crystal phase has an average diameter of <0.5µm, white powder, TiO2 content ≥94%, and is used as pigments, coatings, etc.	06
267	32064900	Pearlescent mica powder	Powder with pearlescent luster used as a pearlescent pigment in paints, cosmetics, coatings, plastics.	06
268	32065000	Luminous pigments	It is shaped like a granular powder, and after absorbing light, the afterglow brightness of 10 minutes is 415mcd/m2. Non-toxic, harmless, non-radioactive, used in inks, paints, coatings, safety signs and plastic products.	06
269	32065000	Luminous film	The thickness is 0.1~10mm, and the afterglow brightness of the light for 10 minutes is 105mcd/m2. It is non-toxic, harmless, and non-radioactive, and is used in safety signs and civilian products.	06
270	32072000	Enamel enamel	Small granular composite silicate material, 25kg, 50kg paper bag, woven bag packaging, made of a variety of high-purity inorganic materials melted at high temperature. Acid resistance ≥ grade A, voltage resistance ≥ 12kV/mm, used in the manufacture of water heater liners, enamel-grade electronic enamel products.	06
271	32074000	Glass powder	The particle size < 10 µm and is used as a plastic filler.	06
272	34060000	New polymer mechanism complex wax products	Special process candles, made of non-methylene polymers, have the characteristics of smokeless, non-toxic, transparent, etc., and have a fragrant smell.	06
273	35051000	Pre-gelatinized starch	Modified starch, medicinal dressing.	05
274	35069900	Credit card film water-based pre-coating	White emulsion, solid content ≥20%, free of organic solvents, non-toxic, non-corrosive, suitable for laminating PVC, PET, PC and other materials.	06
275	35079090	Pancreatic kininogenase and its preparations	White powder, an enzyme isolated and purified from pancreatic enzymes, is used as a pharmaceutical raw material.	05
276	35079090	Trypanic elastase and its production	White powder, a dose of seed enzyme separated and purified from pancreatic enzymes, is used as a pharmaceutical raw material.	05
277	35079090	Urokinase and its preparations	It is used to treat cardiovascular and cerebrovascular diseases.	05
278	37013022	Pre-painted photosensitive version	PS version, based on 0.15~0.30mm thick aluminum plate, coated with polymer photosensitive agent. The exposure time is 60~120s, and the print resistance is 5~200,000 prints, which is mainly used in the printing industry.	06
279	37024100	Large-axis photosensitive film	Unexposed perforation-free wide and long photosensitive film, width > 610mm, length > 200m.	06
280	37024100	Large axis color film	Unexposed perforation-free wide long color film, width > 610mm, length > 200m.	06
281	37025410	Color film	Commonly known as 135 color film, the width is 35mm, and the length is ≤2m.	06
282	37025590	Platter photosensitive film	Unexposed narrow and long photosensitive film, 16mm< width ≤35mm, length > 31m.	06

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285	37079010	paper	cardboard in unexposed rolls (wide width refers to roll width > 610mm).	06
286	37079010	Colored photo paper rinse solution	Including developer, bleach, fixer and stabilizer, it is formulated with a variety of fine chemicals as raw materials and through a special concentration process, which is suitable for various rinsing processing processes.	06
287	37079010	Color film rinse sleeves	Including developer, bleach, fixing and stabilizing fluid, it is formulated with a variety of fine chemicals as raw materials and through a special concentration process for processing color film.	06
288	37079010	Medical X-ray film casing	It is formulated with a variety of raw materials through a special concentration process, and is suitable for various rinsing processes.	06
289	38011000	High-purity artificial graphite carbon material	It is calcined by continuous heat treatment at 3000°C ultra-high temperature, with carbon content of 99.65%, ash content 0.19%, sulfur content 0.01%, volatile content 0.2%, nitrogen content 0.01%, hydrogen content 0.03%, moisture content 0.01%. It has the characteristics of high temperature resistance and corrosion resistance, and is used in aerospace, nuclear energy, electronics, chemical metallurgy and other fields.	06
290	38021000	Activated carbon for automobiles	Black column, butane capacity (BWC) ≥ 9.0g/ml, methylene ≥ 285mg/g, iodine value ≥ 1100mg/g, specific surface area ≥ 1300m ² /g, used for the adsorption and recovery of volatile components of automobile fuel.	06
291	38021000	activated carbon	Adsorption materials for air and gas purification.	08
292	38082090	Jinggangmycin powder	Powder products, 25g/bag, 15kg/barrel, 25kg/barrel, low content of Jinggangmycin ≥ 5A, high content ≥ 60A. It is a biological fungicide used for the prevention and control of rice sheath blight.	05
293	38082090.29	Prochloramine preparations	Liquid preparation, ≥ 45% content, barrel, is a new broad-spectrum, low-toxicity fungicide.	05
294	38083019	Glyphosate preparations	Glyphosate raw powder is formulated with additives and water, and is a liquid preparation, bottled, and is a biocidal herbicide.	09
295	38119000	PBTCA scale inhibitor corrosion inhibitor	Colorless or yellowish viscous transparent liquid (B-650), a low-toxicity water treatment agent, with excellent corrosion and scale inhibition properties, a wide range of uses.	06
296	38160000	Electric furnace bottom pounding material	Dark brown granular powder, sintered with MgO-CaO-Fe ₂ O ₃ as the base material, and mixed with high-purity fused magnesia sand and magnesium-calcium iron sand, MgO ≥ 81%, CaO 6~9%, Fe ₂ O ₃ 5~9%, and compressive strength (1600°C×3h) ≥ 30MPa, which is used for AC and DC high-power electric furnaces, which can realize early sintering at the bottom of the furnace and extend the life.	06
297	38180011	Monocrystalline silicon wafers	7.5 cm ≤ diameter ≤ 15.25 cm, including cutting discs, polishing discs and epitaxial discs, used in the electronics industry.	06
298	38180019	Monocrystalline silicon wafers	Diameter > 15.25 cm, including cutting, polishing and epitaxial discs for the electronics industry.	06
299	38180090	Gallium arsenide single crystal rods and chips	≥ 2" diameter gallium arsenide single crystal rods, cutting discs, polishing discs, and epitaxial discs.	06
300	38180090	Indium phosphide single crystal rods and chips	Indium phosphide single rods, cutting discs, polishing discs, and epitaxial wafers ≥ 2 inches in diameter are used to make luminescent devices.	06
301	38220010	Urinalysis test strips	It is used to detect urobilogen, bilirubin, liver body, blood, protein, etc.	06
302	38220090	Papillomavirus diagnostic reagents	For the diagnosis of papillomavirus.	05
303	38220090	Blood glucose measurement reagent	It is used for blood glucose measurement in diabetic patients.	05

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		abrasives	compressive strength $\geq 30.75\%$, and the hydrophilic $> 175\text{mm}$, which is used in the coated abrasives market and as an abrasive for organic heavy loads.	
306	38249090	Charge regulator iron azo complex	Black ultrafine powder, with CAP, chromophenol AS, ferric chloride as the main raw materials, is synthesized by diazo, coupling, chromification, ammonium and other processes. The main ingredient content is $\geq 95\%$, thermal weight loss (300°C) $\leq 12.0\%$, and particle size $< 20\mu\text{m}$, which is used as a charge modifier in the production of laser printer and photocopier consumables toner.	06
307	38249090	12/14 tertiary amine	Colorless transparent liquid, 200L plastic-coated iron drum packing or container canning. Hazen ≤ 30 , moisture $\leq 0.2\%$, tertiary amine content $\geq 98\%$, total amine value 240~260mg KOH/g, and first/secondary amine content $\leq 0.5\%$, which is used to prepare cationic surfactant, zwitterionic surfactant and nonionic surfactant.	06
308	39053000	polyvinyl alcohol	Medium viscosity fully alcohol-hydrolyzed polyvinyl alcohol products used as adhesives, emulsion stabilizers, architectural coatings, metal surface treatment agents, etc.	06
309	39069000	Polyacrylate	Coating material, medicinal dressing.	05
310	39072000	Modified polyphenylene ether	Also known as MPPO, it has excellent mechanical properties, electrical properties, thermal properties, flame retardant properties and processing properties, and is an excellent insulating material in high-frequency circuits, used in the production of various electrical materials.	06
311	39074000	Polycarbonate granules	It is flame resistant and heat-resistant, and is used in instrumentation, optics, glass and other industries.	06
312	39079900	Polybutylene terephthalate	RT1 value 284, low temperature performance -40°C , good machinability, flame retardancy and long flow of thin-walled parts, halogen-free, used in electronics, automobiles and other industries.	06
313	39092000	Melamine powder	Environmentally friendly granular melamine molding powder, low pollution, heat deformation temperature 158°C , good water resistance.	06
314	39123100	Sodium carboxymethylcellulose	Purity $> 99.5\%$, viscosity 1000~3000cps.	06
315	39123900	Highly substituted hydroxypropyl cellulose	H-HPC, white powder, is mainly used in synthetic resins and pharmaceuticals, building materials and other industries.	06
316	39123900	Hydroxypropyl methylcellulose	abbreviated as HPMC, cellulose ether products.	06
317	39131000	Disodium alginate	Seaweed extract, which has an anticoagulant effect.	05
318	39139000	Xanthan gum polysaccharides	Xanthan gum is a fermentation product used as a thickener and stabilizer in food, medicine, cosmetics and other industries.	05
319	39202090.90	Aluminum metallized polypropylene film	Non-foam polypropylene films, sheets and foils are not reinforced, laminated, supported or composed by similar methods with other materials.	06
320	39205100	LCD is extruded with optical grade PMMA light guide plate	PMMA square cut thin plate, produced by "extrusion calendering method". The tensile strength $\geq 70\text{MPa}$, the impact strength $\geq 10\text{kJ/m}^2$, the Rockwell hardness ≥ 95 , the thermal deformation temperature $\geq 90^\circ\text{C}$, and the light transmittance of the plate $\geq 93\%$. Installed in a color LCD display backlight unit to improve panel brightness and uniformity.	06
321	39206100	Polycarbonate film	The main component is polycarbon, which is used as control panels, remote control panels, LCD display windows, label nameplates, automobile dashboards, etc.	06
322	39206100	Infrared absorbing polycarbonate composite	Square plate, tensile yield strength 64.9MPa horizontally and 64.4MPa longitudinal, well	06

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	39269090	film	processed, thermally stable, chemical, printing and acoustic properties, and is used in a variety of industry sectors.	
324	39269090	Nano FRP pultrusion profiles	Profiles, using nanomaterials to modify unsaturated polyester composite FRP materials pultrusion. The bending strength is 590MPa, which is used to make special ladders, telescopic rods, sports equipment and medical equipment.	06
325	39269090	High-pressure wear-resistant fire hose	Composite hose fire hose is made of thermoplastic elastomer and polyester braided layer, and the inner and outer layers are elastic adhesive layers. The adhesion strength of the adhesive layer and the braid layer is 30N/25mm, the bursting pressure is 4.7MPa, the elongation is 2.9%, and the expansion rate is 1.7%, which is used for water transmission in fire protection, industry and agriculture.	06
326	40101200	Nylon reinforced rubber belt	The tensile strength of the covering rubber is $\geq 18\text{MPa}$, the wear of the covering rubber is $\leq 0.3\text{cm}^3/1.61\text{km}$, and the rated load elongation is $\leq 2\%$.	06
327	40111000.10	Radial tires	New pneumatic radial tires for motor cars (rubber tires, including travel cars and racing cars).	06
328	40112000.11	Radial tires	New pneumatic radial tires for passenger or freight vehicles (referring to rubber tires for motor vehicles, section width ≥ 24 inches).	06
329	44071090.90	Degreasing and drying flame retardant antiseptic masson pine wood	The new process of degreasing and drying is used to comprehensively improve the flame retardant and anti-corrosion of masson pine to improve the quality of wood. The thickness of the processed wood $> 6\text{mm}$, which is a high-quality material that can replace broad-leaved trees.	06
330	48059110	Electrolytic capacitor paper	Web paper products are made into finished products through washing, refining, purification, pulping, papermaking and other processes. The thickness deviation is $\pm 8\%$, the tightness deviation is $\pm 0.03\text{g/cm}^3$, the aspect ratio of water absorption height is 60~80%, the conductivity is $\leq 1.4\text{ms/m}$, the chloride content is $\leq 2\text{mg/kg}$, the iron particles $\leq 5/1800\text{m}^2$, and the moisture content is $\leq 7\%$. It is used in aluminum electrolytic capacitors as the basic material for adsorption of electrolyte.	06
331	50020019	Male silk	Raw silk fineness 2.3dtex, breaking strength 3.67gf/d, elongation at break 19%, raw silk grade 5A, used for weaving high-grade silk fabrics.	09
332	56013000.10	Polypropylene polyethylene low melting point composite staple fiber	Special fiber for papermaking, fiber linear density 1.67dtex, length 4~5mm, cortex melting point 125°C .	06
333	68069000	Foam mineral fibers	The mineral fiber is fully loosened under the action of chemical additives, and the porous, felt-like insulation material made by pulping, foaming, molding and drying, with a density $< 50\text{kg/m}^3$ and a thermal conductivity of $< 0.05\text{W/m.k}$, is used in construction, metallurgy, electric power and other industries as thermal insulation materials for thermal pipelines and refrigeration equipment.	06
334	68159900	Carbon fiber reinforced friction material	Replace asbestos fiber with carbon fiber in whole or in part to improve the thermal stability of friction materials, and improve the stability by 3~4 times when braking at high speed over long distances (temperature $> 350^\circ\text{C}$), and be used as brake pad material.	06
335	69021000	High-grade carbon-containing refractory bricks	Carbon-containing refractory bricks are specially formulated using oil immersion systems, special molds and resin binders.	06
336	69021000	Firing into impregnated magnesium dolomite bricks	High-purity, high-density magnesium dolomite sand produced by calcination process is molded by high-temperature and high-pressure firing	06

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			used in hot or furnace tempering, copper smelting furnaces and large cement rotary kilns.	
338	69032000	Quartz ceramics	The quartz content in the product exceeds 50% of the total weight, and it is milky white and transparent.	06
339	69039000	Silicon nitride-based ceramics	The crystalline phase content of silicon nitride in the product is >50%, and the use temperature is > 1000°C.	06
340	69039000	Ceramic rollers	High temperature roller, aluminum trioxide < 50%, flexural strength ≥ 50MPa, maximum working temperature 1350°C, rapid cold and heat resistance: 1400°C to room temperature four splits, water absorption ≤0.8%, refractoriness ≥ 1800°C.	06
341	70023190	High temperature resistant quartz glass tube	The inner and outer walls of quartz glass tubes are coated with high-temperature resistance ZrO ₂ , TiO ₂ , etc., to improve the high-temperature resistance of quartz and extend its service life, and are used as diffusion furnace tubes.	06
342	70052100	In-line coating reflective glass	In addition to the general properties of other coated glass, it also has the thermal processing performance that offline coated glass does not have, such as tempering and hot bending.	06
343	70071110.90	Tempered glass for aircraft	It has excellent mechanical properties and thermal shock resistance, including particle hardening, chemical hardening, surface crystallization, and thermal shock corrosion resistant glass.	06
344	70072110	Laminated glass	Transparent plastic diaphragm is embedded between two or more layers of glass, which has impact resistance and bulletproof performance, and is used to make doors and windows of aircraft, ships, and tanks.	06
345	70072110	Electric heating glass	Extremely fine heating wires are placed in the glass interlayer to prevent glass condensation, frosting, and freezing, and are used to make aircraft doors and windows.	06
346	70112090.90	Colored tube glass shell		06
347	70182000	High-performance glass beads	The refractive index is 1.9~2.3, and the diameter is <1mm, which is used to make highway and highway road sign symbols, projection screens, etc.	06
348	70191100	Metal-plated fiberglass	The surface of glass fiber is coated with metallic aluminum, iron, nickel, silver, lead, etc., which is used to make yarn, tape, cloth, tube or chopped fiber felt.	06
349	70191900.90	Fiberglass jet yarn	Fibrous non-twisted roving ball, alkali-free glass composition, 1200~9600tex, injection molding, can reinforce plastic substrates, mainly used in automobiles, shipbuilding, medical equipment and other fields.	06
350	70191900.90	Medium alkali pool kiln fiberglass	Fibrous non-twisted roving ball, medium alkali glass composition, 1200~4800tex, produced by pool kiln method, used to strengthen the substrate of acid-resistant and other plastics.	06
351	70193900	Glass microfiber insulation felt	Felt-like sheet made of micro-fine high-silicon fiberglass yarn. It has excellent thermal insulation and high temperature ablation resistance, with a long-term working temperature of -60~1000°C and a SiO ₂ content of ≥96%, and is used as thermal insulation, thermal insulation, sound insulation and sound absorption materials under high and low humidity conditions.	06
352	70193900	Reinforced grinding wheel with fiberglass mesh	The mesh is a mesh fabric made of non-twisted, paper-twisted glass fiber yarn woven by machine, and the mesh is made of grinding wheel mesh as the base material, and is punched and cut into a mesh solid sheet after resin treatment. Mesh: width 115cm, thickness 0.44~0.68mm, mesh: round, outer diameter 70~800mm, inner diameter 10~60mm, resin content 26~34%.	06

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355	70194000	High-strength fiberglass	Also known as "S" glass fiber, it is drawn from silicon, aluminum, and magnesium glass. The strength of monofilament is 30% higher than that of alkali-free glass fiber, and the tensile strength is increased by 30~40% when it is used as a resin-based reinforcement material.	06
356	70195900.10	Electronic grade fiberglass cloth	The width > 30mm, the gram weight per square meter <250, and the single yarn thread < 136tex, which is used to make copper clad laminates and electrical insulation laminates.	06
357	70195900.90	High silicone fiberglass cloth	The SiO ₂ content is > 95%, the width is > 30mm, and the gram weight per square meter is <250, which has the characteristics of high temperature resistance and ablation resistance.	06
358	70199000.90	Bonding sheet	Also known as semi-cured sheet, the main component is epoxy glass cloth. The volatile content is ≤0.5%, the flow is 20~42%, and the gelling time is 140~170s, which is used to make multi-layer circuit boards.	06
359	70199000.90	Fiberglass self-adhesive tape	The density of the fabric in the warp and weft directions is 9±0.5, the fracture strength in the warp and weft directions is ≥ 440, the viscosity is > 600S, and the initial viscosity is > 1200S, which is mainly used in construction projects.	06
360	70200011	ITO conductive film glass	The block resistance ≤ 100Ω/□, the light transmittance ≥88%, the etching time is 60s, and the thickness of the SiO ₂ film is 250±50Å, which is used to make liquid crystal displays.	06
361	71012290	High-gloss freshwater pearls	Freshwater pearls are processed by solid-liquid biphasic adsorption, oxidation, bleaching, brightening and dyeing technology, which are divided into A and B grades.	06
362	71061029	Ultrafine silver palladium powder	Flake powder, with an average particle size < 50μm, is used to make electronic slurries.	06
363	71069110	High Sterling Silver	Purity> 3N (99.9%).	06
364	71069190	Silver-copper alloy	Uncalcined silver-copper alloy used as an electrical contact material.	06
365	71102100	Sponge palladium	High-purity spongy palladium with a purity of > 3N, with a palladium content of >99.95%, is used in the chemical industry and as a raw material for the manufacture of precision alloys.	06
366	71102100	Ultrafine palladium powder	The average particle size < 50μm, which is used to make electronic paste.	06
367	71103100	Sponge rhodium	Grey powder with a purity > 99.9% is used in the chemical industry, electroplating and the manufacture of precision alloys.	06
368	72052100	Fast-quenching neodymium iron boron magnetic powder is used for bonding magnets	Powder performance: Br(kG)7.8~9.3, Hci(kOe)6.5~18, (BH)max(MGOe) 12.2~16.8. Magnet performance: Br(kG) 6.1~7.4, Hci(kOe) 6.5~18, (BH)max(MGOe) 8.5~12.	06
369	72101100	Tinned plate	Tin-plated anti-rust steel plate, thickness ≥0.5mm, width ≥ 600mm, used for food industry can making.	06
370	72101200	Tinned plate	Tin-plated anti-rust steel plate, thickness <0.5mm, width ≥ 600mm, used for food industry can making.	06
371	72103000	Electro-galvanized steel sheet	Width≥ 600mm.	06
372	72104900	Hot-dip galvanized steel sheet	Width≥ 600mm.	06
373	72121000	Tinned steel plate	Tin-plated anti-rust steel plate, width < 600mm.	06
374	72122000	Electro-galvanized steel sheet	Width< 600mm.	06
375	72123000	Hot-dip galvanized steel sheet	Width< 600mm.	06
376	72192410	Stainless steel 2B plate	Flat plate, is a high-quality austenitic stainless steel cold-rolled sheet, 1mm< thickness<3mm, width ≥ 600mm, mainly used in home appliances, daily necessities and decoration industries.	06

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379	72230000	Aviation filter wire	304, 304L, 316, 316L stainless steel, wire diameter > 0.25mm.	06
380	72259900	Nickel-plated phosphorus alloy steel plate	Autocatalytic deposition of nickel-phosphorus alloy, coating as amorphous alloy, phosphorus content 12% wt, width ≥ 600mm, used in the manufacture of computer hard disks, cosmic light mirrors, petrochemical machinery, etc.	06
381	72269900	Nickel-plated phosphorus alloy steel plate	Autocatalytic deposition of nickel-phosphorus alloy, coated as amorphous alloy, phosphorus content 12% wt, width < 600mm, used in the manufacture of computer hard disks, cosmic mirrors, petroleum chemical machinery, etc.	06
382	72279000	Hot-rolled high-performance spring steel	Coil, diameter 6~13mm, fatigue life ≥ 8×10 ⁵ times.	06
383	72281000	Rare earth high-speed tool steel	Various W series and Mo series high-performance high-speed tool steel bars and rods containing rare earth elements.	06
384	72281000	M7 molybdenum high-speed tool steel	Diameter 1~160mm round bar stock or drill bit blank. Quenching hardness 65~67.5HRC, eutectic carbide unevenness ≤ 3, carbide particle size ≤ 12.5μm, C 0.97~1.05%, W 1.40~2.10%, Mo 8.20~9.20%, V 1.75~2.25%, Cr 3.50~4.00%, Si 0.25~0.55%, used to make drill bits, milling cutters, taps and other tools.	06
385	72283000	High performance gear steel	Strips and rods, diameter 20~130mm, have not been further processed except for hot rolling, hot drawing or hot extrusion. The oxygen content is ≤ 20ppm, and the hardenability is 4~6HRC, which is used to make automobile gears.	06
386	72283000	Anchor chain steel	Strips and rods, diameter 16~130mm, have not been further processed except for hot rolling, hot drawing or hot extrusion. σ _b 690~860MPa, certified by the International Classification Society.	06
387	72288000	Petroleum hollow drilling steel	Steel bar, tensile strength 860MPa, yield strength 757MPa, elongation 16.6%, impact > 45J.	06
388	73049000	Ceramic-lined seamless composite steel pipe	Molten Al ₂ O ₃ is continuously and evenly coated on the inner wall of steel pipe, no metal exposed pores, hot water soaking does not rust, layer thickness > 3mm, used in mining, metallurgy, electric power, chemical industry as a wear-resistant material conveying pipeline.	06
389	73051100	UOE straight seam submerged arc welded steel pipe	The steel pipe made of straight seam submerged arc welding by UOE process, with a pipe diameter of 406~1500mm, a wall thickness of 5.6~32mm, and a pipe length of 12~18m, is used for the transportation of a variety of gases, liquids and solid materials in oil, natural gas and chemical industry.	06
390	73121000	Special wire rope		06
391	73121000	High-performance prestressed wire rope	82B high carbon steel, diameter 3~9mm, strength > 800MPa.	06
392	73121000	High-strength prestressed steel strands	82B high carbon steel, diameter 12.7~15.2mm, strength > 1860MPa, used in infrastructure construction.	06
393	73121000	Low relaxation prestressed steel strands	82B high carbon steel, diameter 3~9mm, strength > 1800 MPa.	06
394	73121000	Wire rope for ultra-high-strength conveyor belts	72A steel, made by drawing, galvanizing, twisting, rope forming and other processes. Structural specifications K6×7+IWS, K6×19+IWS, breaking tensile ≥ 6.4kN. It is used as a skeleton material for the production of conveyor belts for transporting ore and coal over long distances.	06
395	73141410	Stainless steel fiber felt	Stainless steel (304, 304L, 316, 316L) fiber products with a diameter of 5~100μm are used for shielding, filtration and making battery plate materials.	06
396	74061090	Ultra-fine copper powder	Copper alloy powder, with a particle size of 10~50nm and a purity of 95~99%, is used as a	06

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399	74082900	2% beryllium copper alloy wire	It is used as an elastic material in electrical devices, etc.	06
400	74091100	Electronic copper strip	Refined strip, coil, thickness > 0.15mm, used in electronic processes and electrical instrumentation equipment.	06

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serial number	Customs commodity number	Product Name	description	Technical field
401	74094000	High-performance copper-nickel alloy strip	The thickness > 0.15mm, and it is used to make contacts, connectors and glasses frames of electronic processes and electrical instrumentation equipment.	06
402	74101100.1	Electrolytic copper foil	Refined copper foil without a liner (backing thickness ≤ 0.15mm) is used as a functional material for printed circuits, radio wave shielding boards, etc.	06
403	74102100	Copper clad plate	Made of epoxy resin, electronic grade glass cloth, copper foil, flame retardant, dielectric loss tangent < 0.05, surface resistivity ≥ 106MΩ after moisture resistance, used for processing printed circuit boards.	06
404	74111000	Seamless female threaded copper tube	Diameter 4~30mm, wall thickness 0.25~2mm, Cu≥ 99.90%, P150~400ppm, used as heat exchange tube for air conditioners, refrigerators and other systems.	06
405	74111000	Seamless copper tubes for high-precision air conditioning refrigeration	Diameter 4~28mm, wall thickness 0.3~1.5mm, P0.015~0.04%, used in air conditioning and refrigeration industry.	06
406	74112200	Corrosion resistant exchanger copper alloy tube	Copper-nickel alloy (cupronickel) or copper-nickel-zinc alloy (Deutsche silver) corrosion-resistant high-quality pipes.	06
407	74112900	2% beryllium copper pipe	It is used as an elastic material in electrical devices, etc.	06
408	75052200	Nickel-chromium precision resistance bridges	Nickel alloy wire for use in the electronics industry.	06
409	75081080	Nickel fiber felt	5~100mm diameter, used for filtration and preparation of battery plate materials.	06
410	75081080	Printed nickel mesh	Cylindrical nickel mesh cage with a mesh number of 15~195, used in textile, printing and dyeing, printing and printing, yarn printing and other industries.	06
411	75089090	Nickel foam	It is used as a substrate material for nickel-metal hydride batteries, nickel-cadmium battery electrodes, and filter materials.	06
412	76031000.10	Microscopic spherical aluminum powder	Silver-gray micropowder, produced by nitrogen atomization. Medium particle size D501~50μm, active Al≥98%, Cu≤0.015%, Fe≤0.02%, Si≤0.02%, H2O≤0.01%, used as high-grade metal coatings, aerated concrete aerators, catalysts, deoxidizers, refractory materials, anti-corrosion materials, etc.	06
413	76042900	Aluminum alloy forgings	Structural forgings for aviation.	06
414	76042900	Large specification industrial aluminum profile	Industrial aluminum profiles, made by in-line precision quenching device and isothermal extrusion technology. With a maximum diameter of 570mm, a tensile strength of ≥290MPa, a yield strength of ≥260MPa, and an elongation of ≥12%, it is used in the production of containers, electronic radiators, ships, subway trains, etc.	06
415	76052900	silicon aluminum wire	With a purity of > 5N and a maximum cross-sectional diameter of ≤7mm, it is used as a raw device material for the electronics industry.	06
416	76069200	Lithium aluminum alloy plate	aerospace and aviation structural parts.	06
417	76071110	Extra-thin aluminum foil	Unlined and < thick of 0.007mm.	06
418	76071900	Hydrophilic aluminum foil	The surface is coated with anti-corrosion coating and hydrophilic coating, which makes the aluminum foil corrosion-resistant and improves heat exchange efficiency.	06

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			transmission cable wires, large span wires, ground wires and distribution lines.	
420	78011000	High purity lead	It has a purity of > 4N and is used to prepare compound semiconductor materials, refrigeration components, high-efficiency temperature difference components, solders, etc.	06
421	79011100	High purity zinc	Purity > 4N for the preparation of compound semiconductor materials, reducing agents, etc.	06
422	79039000	Ultra-fine and high-purity active zinc powder	Purity ≥ 99% and particle size ≤ 2 μm.	06
423	79040000	Zinc and aluminum alloy wire	Silver-white linear materials are made of material selection, smelting, alloying, horizontal continuous casting, extrusion, aging, rough drawing, fine drawing, aging, fine drawing and other processes. 1.1mm≤ diameter ≤3.2mm, allowable deviation 0~0.06mm, Al3.9~4.3%, residual Zn, total impurities ≤0.025%, elongation after breaking ≥20%, density 6.5~6.7g/cm ³ , melting point 382°C, resistivity ≤60mΩ·mm ² /m, used for spraying of metallized film capacitors.	06
424	80011000	High Pure Tin	Purity > 4N for the preparation of compound semiconductor materials, solders and dopants.	06
425	81019400	Tungsten copper alloy	Used as a high-power electrical contact material.	06
426	81021000	Molybdenum powder	Particle size < 5 μm.	06
427	81032000	The capacitor is made of tantalum powder	High specific capacity tantalum powder, specific capacity > 20000~70000μF/g, is used to make tantalum capacitors.	06
428	81032000	Tantalum ingots	With a melting point of 2996°C, excellent corrosion resistance, a diameter of 50~20mm, it is used in chemical, petroleum, pharmaceutical, manufacturing, food processing and other fields.	06
429	81039000	Tantalum processed material	Tantalum is a rare metal with high melting point, with good dielectric properties and chemical stability, corrosion resistance, good plasticity, and thermal conductivity, and is used in electronics, chemical, metallurgy, aerospace and other fields.	06
430	81039000	Capacitors are made of tantalum wire	The diameter ≤ 0.2mm is used to make tantalum capacitors.	06
431	81049020	Magnesium alloy sacrificial anode	For cathodic protection in freshwater metal containers and underground metal facilities.	06
432	81052000	High-performance cobalt powder	It is used to prepare rare earth permanent magnet materials and nickel-metal hydride batteries.	06
433	81060010	High purity bismuth	Purity > 4N for the preparation of compound semiconductor materials, electronic refrigeration elements, and reactor liquid cooling carriers.	06
434	81072000	High purity cadmium	Purity > 4N for the preparation of compound semiconductor materials, battery raw materials, reactor control rods.	06
435	81082010	Titanium sponge		06
436	81082090	Titanium powder	Powder.	06
437	81082090	Titanium-aluminum alloy target	Titanium is the main alloy.	06
438	81089020	Titanium wire	Filamentous products with a diameter of 0.1~6.0mm.	06
439	81089031	Titanium	Plates, sheets, strips, and foil products with a thickness ≤ 0.8mm.	06
440	81089032	Titanium	Plates, sheets, strips, and foils with a thickness > 0.8mm.	06
441	81099000	Zirconium materials and their products	Zirconium tubes, plates, plates, rods and special-shaped parts.	06
442	81099000	Zirconium	Filamentous products with a diameter of 0.1~6.0mm.	06
443	81101010	High purity antimony	Purity > 4N for the preparation of compound semiconductor materials and electronic refrigeration component materials.	06
444	81110010	Metal manganese nitride	Powder, nitrogen > 7.3%.	06
445	81121900	beryllium materials and beryllium products	For navigation instruments and aerospace devices.	06
446	81122900	High-purity metallic chromium	Silver-gray lumps or powders, using thermite and electrolytic metallic chromium as raw materials, removing gases and impurities through vacuum	06

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		monitors, and infrared detectors.	
448	81129200	Capacitors are made of niobium powder and niobium wire	06
449	81129200	High purity indium	06
450	81129200	High purity gallium	06
451	81129900	Niobium zirconium alloy wire	06
452	81130000	Ultrafine grain tungsten carbide and cobalt composites	06
453	81130000	Ultra-fine carbide	06
454	81130000	Carbide spray powder	06
455	82023100	50Mn2VAI steel circular saw blade matrix	06
456	82023900	Laser welded diamond circular saw blades	06
457	82072010	Diamond brushed die	06
458	82075090	Ultra-fine carbide micro drills	04
459	83014000	Fingerprint grip lock	04
460	83030000	Intelligent programmable anti-theft safe	04
461	83071000	Stainless steel bellows compensator	06
462	83071000	Stainless steel bellows expansion joint	06
463	83071000	Highly flexible stainless steel metal hose	06
464	83079000	Aluminum bellows expansion joint	06
465	84073200	motorcycle engine	07
466	84099199.90	piston	07
467	84099999.90	Diesel engine piston rings for automobiles	04
468	84101200	water turbine	07
469	84101310	Percussion turbine	07

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475	8411290.10	Small high burn rate turbojet engine	Turbojet engine with thrust $\geq 90\text{kN}$.	03
476	84112100	turbospiral engine	Power $\leq 1100\text{kW}$.	03
477	84112210	turbospiral engine	$1100\text{kW} < \text{power} \leq 2238\text{kW}$.	03
478	84112220	turbospiral engine	$2238\text{kW} < \text{power} \leq 3730\text{kW}$.	03
479	84112230	turbospiral engine	Power $> 3730\text{kW}$.	03
480	84118100	gas turbine	Power $\leq 5000\text{kW}$.	03
481	84118200	gas turbine	Power $> 5000\text{kW}$.	03
482	84119100	Parts for turbo screw engines		03
483	84119910	Parts for turbine shaft engines		03
484	84119990	Parts for gas turbines		03
485	84121010	Jet engines for aircraft and spacecraft		03
486	84121010.10	ramjet engine		03
487	84121010.20	Pulse jet engine		03
488	84121010.90	Launch vehicle power systems and products		03
489	84121010.90	Apogee engine	Jet engines for aerospace vehicles.	03
490	84121010.90	Posture control engine	Jet engines for aerospace vehicles.	03
491	84121010.90	retopack	Jet engines for aerospace vehicles.	03
492	84121090	jet engine	Turbojet.	03
493	84122910	Hydraulic motor		03
494	84131100	Fuel dispenser	Modular structure of multi-oil terminal metering equipment, the metering system is controlled by computer and electronic display. The flow range is $5\sim 50\text{l/min}$, and the measurement accuracy error is $\leq \pm 0.3\%$.	04
495	84133021	Fuel pump	Power $\geq 180\text{ hp}$ for piston internal combustion engines.	03
496	84133029	Double-ended oil supply pump		03
497	84135020.90	High-efficiency oilfield water injection pump	Electric reciprocating high-efficiency high-pressure and high-flow oilfield injection pump.	07
498	84135030.90	High pressure piston pump	The hydraulic pump that relies on the reciprocating movement of the plunger to achieve oil suction and drainage includes various displacement and quantitative, variable, constant pressure, constant power, electro-hydraulic ratio and other control forms. The pressure $\geq 28\text{MPa}$, the speed $\geq 1500\text{rpm}$, used for the simulation hydraulic system of industrial machinery, construction machinery, trucks and other running mechanisms.	04
499	84136090.90	Rotary pump		04
500	84137090.90	Medium and high pressure vane pumps		04
501	84137090.90	Stainless steel ramjet centrifugal pump	The head is $13\sim 50\text{m}$, the flow rate is $70\sim 200\text{l/min}$, and the power is $0.37\sim 11\text{kW}$, which is used in the water supply system.	04
502	84138100.90	Hydraulic pumps		03
503	84138100.90	Automotive engine electronic fuel injectors		04
504	84138100.90	Photovoltaic water pump	Small energy special purpose pump, powered by solar energy.	07
505	84138100.90	Sand pump	Industrial liquid pump, flow rate $150\sim 200\text{m}^3/\text{h}$, power $22\sim 315\text{kW}$, head $15\sim 20\text{m}$, speed $980\sim 1450\text{rpm}$, used to transport sand, cinder, mineral sand and other media containing solid particles.	04
506	84143011	Fluorine-free compressors	Power $\leq 400\text{W}$ for reefers and freezers.	07
507	84143013	Frequency conversion speed regulation compressor	$0.4\text{kW} < \text{power} \leq 5\text{kW}$ for air conditioning.	04

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510	84145990.99	High-efficiency ternary flow energy-saving fan	The output power > 125W.	07
511	84148090	Oil-free air compressors	It can be used as a compressor and vacuum pump, and is non-polluting to the air, and is used in oxygen concentrators, ventilators, dental treatment instruments, sewage treatment, aquaculture, analysis and control instruments and other systems.	04
512	84148090	Hydrogen compressors	For hydrogen refueling, with explosion-proof function, pressure 20MPa, including centrifugal and reciprocating compressors, for large refining complete equipment.	07
513	84148090	Large compressors	It is used in large-scale fertilizer plants with an annual output of 20~300,000 tons of synthetic ammonia and 520,000 tons of urea.	07
514	84149019	Compressor blades	The accuracy is 0.002~0.003mm, the parallelism tolerance is $\leq 0.002\text{mm}$, the nitriding layer depth is $\geq 30\mu\text{m}$, and the surface hardness is $\text{HV} \geq 1000$, which is used in rotary compressor and vane hydraulic pump for refrigerators, air conditioners, refrigerators and air compressors.	04
515	84178090	Incinerator		08
516	84178090	Compound gasification incinerator		08
517	84185000	Semiconductor electronic hot and cold box		01
518	84186990	Lithium bromide chiller		07
519	84191900	Solar collector tube water heater	Heat exchange equipment that collects solar energy is energy-saving and efficient.	07
520	84191900	Glass vacuum collector solar tube	water heater	07
521	84194090	Crude oil boiling point distillation instrument	use vacuum intermediate medium to transfer heat and recover chimney waste heat, etc.	07
522	84195000	Heat pipe heat exchangers	use vacuum intermediate medium to transfer heat and recover chimney waste heat, etc.	07
523	84198910	Hydrogenation reaction test device		04
524	84211920	Sludge dehydrator	It is used for water removal of biological and chemical sludge.	08
525	84211990.90	Refrigerated centrifuges	More than 1000ml, temperature range -5~30°C, used for serum, plasma separation, etc.	05
526	84212190	Water purification equipment	ultrapure water preparation system, etc.	04
527	84212190	Electroplating wastewater treatment device		08
528	84212190	Wastewater treatment device containing heavy metals		08
529	84212190	Electrolytic seawater antifouling and anti-corrosion device		08
530	84212190	Oil slick containment device	It is used for oil slick removal on the water surface.	08
531	84212190	Oil-water separation series devices		08
532	84212190	Ultrafiltration device		08
533	84212190	Electrodialysis device		08
534	84212190	Reverse osmosis device	Membrane filtration.	08
535	84212190	High dissolved oxygen biological turntable	Biological treatment of organic wastewater purification devices.	08
536	84212990.90	Aircraft hydraulic system inspection and purification equipment		03

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			Industrial firms and various export points.	
539	84213990	Air purification equipment		08
540	84213990	Gas purification equipment		04
541	84213990	Industrial exhaust gas catalytic purifier	Catalytic combustion is used to purify a complete set of devices for purifying high-concentration organic industrial exhaust gas.	08
542	84213990	Organic waste gas purification and recovery device		08
543	84213990	Pumpless water curtain paint filter	A complete set of air purification devices for air purification of exhaust gas generated during the painting process using water curtains.	08
544	84213990	Redox catalytic purifier	Gasoline motor vehicle exhaust gas purification device purifies exhaust gas through catalytic oxidation reaction.	08
545	84213990	Diesel vehicle flue gas filter		08
546	84223030	Fully automatic fluid packaging machine	It adopts programmable control with automatic feeding and electronic metering device.	04
547	84223090	Automatic hard capsule filling machine	Automatic filling of drugs for capsules.	05
548	84238290	Tonnage electronic balance	Weigh 1000kg.	04
549	84238920	Static electronic rail balance	Weighing > 5000kg.	01
550	84238990	Electronic truck scales	Weighing > 5000kg.	01
551	84242000	Efficient and energy-saving fuel spray gun	Limited to energy-saving type (boiler scope).	07
552	84248100	Sprinkler irrigation system		04
553	84248991	Marine cabin washer		04
554	84248999	Automatic control equipment for spraying inside and outside the pipeline		04
555	84264990	Floating crane	More than 100 tons.	04
556	84271090	All-round multi-functional automated guided vehicles		04
557	84279000	Photography lifting mobile car	Special equipment for film and television shooting.	04
558	84306911	Full hydraulic drilling rig	The diameter of the drill barrel > 3m.	04
559	84314310	Drill pipe power pliers	It is composed of screw pliers, torque pliers, air tire clutches and control systems. It is suitable for pipe diameter 3 1/2~5 1/2in drill pipe joints and 8in drill collars, with a maximum torque of 100kN·m, a maximum working pressure of 18MPa, and a transfer distance of 0~1500mm, which is used for oil and natural gas exploration, drilling or workover operations.	04
560	84434000	Multi-color gravure printing machine	Multi-motor synchronous control technology is adopted. The speed ≥ 150m/min, the overprinting accuracy is better than 0.15mm, the amplitude ≥ 600mm, and the number of colors is 4~12 colors, which is used for multi-color printing of paper and plastic film.	04
561	84479020	Computerized embroidery machine	Computer-controlled, electronic needle selection embroidery machine.	04
562	84479090	Plastic flat wire production unit	PLC control system is used to prepare woven bags, container bags, mesh bags, etc.	04
563	84481100	Double-sided single-sided electronic jacquard circular machine	The barrel diameter is ≥ 365mm, and the electronic needle selection is controlled by a computer.	04
564	84481900	Photoelectric weft straightening device	The device that uses photoelectricity to automatically detect the oblique weft and bending weft of the fabric and automatically correct it is generally installed in	04

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566	84514000	Pulp dyeing combined machine	the slurry tank, the yarn storage rack, the dyeing and drying room, the washing tank, the dyeing tank, the boiling tank, the warp shaft frame, the cover, the electric cabinet, the fever reduction, the dye barrel and other components. The maximum dyeing and rolling pressure is 100kN. It is used for warp, hot and cold dyeing and sizing of 116tex~18tex cotton and its blended fabrics.	04
567	84541000	Silver furnace	converters for metal smelting and casting.	07
568	84543090	Centrifugal ductile iron pipe automatic production equipment		04
569	84561000	Gas laser cutting machine		04
570	84561000	Solid-state laser processing machine		04
571	84561000	Semiconductor laser processing machine		04
572	84561000	Laser 3D rapid prototyping equipment		04
573	84562000	A machine tool that processes various materials with ultrasound		04
574	84563010	CNC processing machine tools for processing materials with electrical discharge		04
575	84563090	A machine tool that processes various materials with electrical discharge		04
576	84569100	A processing machine for dry etching semiconductor materials		04
577	84569910	Plasma cutter		04
578	84569990.90	Ion coating machine		04
579	84571010	Vertical machining centers		04
580	84571020	Horizontal machining center		04
581	84571030	Gantry machining center		04
582	84573000	Multi-station combination machine		04
583	84581100	CNC horizontal lathe		04
584	84592100	CNC drilling machine		04
585	84593100	CNC boring and milling machine		04
586	84594010	CNC boring machine		04
587	84595100	Lifting desktop CNC milling machine		04
588	84596110	Gantry CNC milling machine		04
589	84596190	CNC milling machine		04
590	84601100	CNC surface grinder	Linkage of more than three axes, positioning accuracy of 0.005mm.	04
591	84602110	CNC cylindrical grinder	Linkage of more than three axes, positioning accuracy of 0.005mm.	04
592	84602120	CNC internal cylindrical grinder	Linkage of more than three axes, positioning accuracy of 0.005mm.	04
593	84603100	CNC edge grinding machine		04
594	84614010	CNC gear grinder		04
595	84622110.10	CNC semiconductor pin folding machine		04
596	84622110.90	CNC straightening machine		04

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			and the positioning accuracy of the backgauge is $\pm 0.05\text{mm}$, which is used for sheet metal pressing and shaping.	
599	84623110	CNC longitudinal shearing machine		04
600	84623120	CNC lateral shearing machine		04
601	84623190	CNC shearing machine		04
602	84624111	CNC punching machine	Including CNC punching and shearing dual-purpose machine.	04
603	84624119	CNC punching machine		04
604	84624190	CNC press		04
605	84629110	Metal profile hydraulic extruder		04
606	84629190	Hydraulic press		04
607	84629990	Presses for processing metal or carbide		04
608	84659900	CNC wood processing equipment		04
609	84669300	CNC machine tool parts	Precision castings have high strength (HT300), smooth surface, high dimensional accuracy, uniform surface hardness of the guide rail and bonding surface, and no defects.	04
610	84688000	Multi-functional carbon arc welding and cutting equipment	Metal welding equipment.	04
611	84705010	Point of sale terminal teller		01
612	84705090	Cash teller with calculator		01
613	84711000	Analog or hybrid automatic data processing equipment		01
614	84713000	Laptops	Portable digital processing device (weight < 10kg) consisting of at least one central processing unit, keyboard and display.	01
615	84714110	Huge medium-sized computers	A huge medium-sized digital automatic processing device has at least one central processing component in the same chassis, with a processing speed of more than 1 billion times, a memory $\geq 1\text{GB}$, and a dedicated operating system.	01
616	84714120	Small computer	Small digital automatic processing equipment with at least one central processing component in the same chassis, memory $\geq 1\text{GB}$, a dedicated operating system, a fault-tolerant disk array system, and more than 128 channels.	01
617	84714140	Microcomputer	A miniature digital automatic processing device with at least one central processing component in the same chassis, a CPU clock $\geq 2.8\text{MHz}$, a memory $\geq 512\text{MB}$, and a hard disk capacity of $\geq 120\text{GB}$.	01
618	84714910	Huge medium-sized computers	A huge medium-sized machine that is reported in the form of a system.	01
619	84714920	Small computer	A small computer that reports for inspection in the form of a system.	01
620	84714940	Microcomputer	Microcomputer in the form of a system.	01
621	84714940	Home multimedia computer	The CPU clocked at $\geq 2.8\text{MHz}$, the memory $\geq 512\text{MB}$, and the hard disk capacity $\geq 120\text{GB}$.	01
622	84714991	Decentralized industrial process control equipment	Exported in the form of a system.	04
623	84714991	Microcomputer control system for thermal power units	Exported in the form of a system.	04
624	84714991	Decentralized control system	DCS is referred to as DCS, which is exported in the form of a system.	04
625	84715010	Digital central processing	Regardless of whether there are one or two storage, input, or output parts in the same chassis.	01

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627	84715040	Digital central processing components for microcomputers	Regardless of whether there are one or two storage, input, or output parts in the same chassis.	01
628	84716011	Computer LCD monitor		01
629	84716012	Cathode ray tube display	CRT for short.	01
630	84716019	Computer LED display	Composed of dual primary color or three-color LED (light-emitting diode) as the basic light-emitting element, the maximum brightness of the module > 6000cd/m2, resolution: dual primary color >3900 pixels/m2, full-color > 2500 pixels/m2, and the discontinuous runaway point < 0.03% when used continuously, which is used for the display of various graphic information and video images.	01
631	84716031	dot printers		01
632	84716031	External micro dot printer		01
633	84716031	Push-flat ticket printer		01
634	84716032	laser printer	The printing speed \geq 25ppm, and it supports network printing function.	01
635	84716033	Inkjet printers		01
636	84716039	Micro printers		01
637	84716039	External thermal printer		01
638	84716040	Show terminal	For large, large, medium and small computers (input and output components, whether or not there is a storage device in the same chassis).	01
639	84716050	scanner		01
640	84716060	Digitizer		01
641	84716070	keyboard		01
642	84716070	Mouse		01
643	84717010	Hard drives	Computer hard drive (computer refers to automatic data processing equipment).	01
644	84717020	floppy drive	floppy disk drives for automatic data processing devices.	01
645	84717030	Optical Disc Drive		01
646	84717030.10	Optical Disc Drive	With burning function.	01
647	84717090	USB disk memory	USB interface, capacity \geq 128MB.	01
648	84718010	hub		01
649	84718020	router	The processing capacity > 10Gbps, which can adapt to a variety of interface lines, support static routing, RIP and other protocols, and can support IPV4/IPV6 for network data exchange.	01
650	84718090	Graphics	The chip has a line width \leq 0.11 μ m, a memory capacity of \geq 128MB, a bit width of 128 bits, and a memory frequency of \geq 800MHz.	01
651	84718090.10	network card	10Mbps/100Mbps adaptive network card and network card above 1000Mbps, single-mode/multimode 155Mbps, 622Mbps ATM network card.	01
652	84719000	Universal programmer	8-bit and above microcontroller development tools for logic design software code writing for programmable integrated circuits.	01
653	84719000.90	Card reader		01
654	84723010	High-speed parcel sorter		08
655	84723010	Automatic processing system for high-speed mail sorting	Automatic address recognition.	08
656	84729010	automatic teller machine		01
657	84733010	Hard drive head assembly		01
658	84733021	Dot-type printer printhead		01
659	84733029	Laser conduction drum	Laser printer parts.	01

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662	84773000	In-mold label blow molding machine	In-mold labeling, and is used for the appearance decoration and anti-counterfeiting labeling of packaging containers in petroleum, chemical, food and other industries.	04
663	84774090	Automatic blister molding machine	Vacuum negative pressure suction is used.	04
664	84774090	Automatic EVA injection foam molding machine	It is composed of mold clamping, injection, seat shifting mechanism, vacuum system in mold, temperature control system, moving distance detection system and programmable control system. Clamping force $\geq 21000\text{kN}$, mold opening stroke $\geq 55\text{mm}$, injection pressure $\geq 105\text{MPa}$, maximum injection volume 1150cc, used to manufacture EVA material soles, slippers and sandals products.	04
665	84775100	Three-drum all-steel load-load radial tire one-time forming machine	It is composed of three shaping drums, frame bed, feeding system, transmission system, hydraulic system and electronic control system. Bead diameter 19.5~24.5", used for 9.00R20"~13R24.5" all-steel wire load radial tire prefabrication one-time forming.	04
666	84775900	Softgel making machine		05
667	84778000	Mixer	The building block structure consists of a feeding mechanism, a front and rear mixing chamber, a discharge mechanism, a rotor bearing, a transmission device, a heating and cooling device, a hydraulic and automatic control system. Volume 1.5~500L, used for plasticizing, compounding and final smelting of resin, rubber, and plastic product raw materials.	04
668	84778000	High-precision plastic profile auxiliary machine	It is composed of a fixed length table, a traction cutting device and a turning frame, computer controlled, the traction speed regulation ratio is ≥ 10 , and the cutting accuracy is $\pm 0.10\%$, which is used to extrude the plastic-PVC material extruded by the plastic extruder, and is pulled out into a special-shaped profile after mold extrusion, cooling, and shaping and cut into a finished product.	04
669	84791090	Inner climbing column type concrete spreading machine	Extendable arm type large structural parts, full hydraulic 360° rotation, internal climbing lifting, used to deliver concrete to the cleaning operation point.	04
670	84795010	Multifunctional industrial robots		04
671	84798200	Water and coal slurry equipment	It is used to mix and stir coal powder with water, and then emulsify it to a certain concentration, so that it does not precipitate for a long time, which is conducive to transportation, spraying, and combustion.	07
672	84798910	Marine servos		08
673	84798910	Gyroscopic stabilizer		03
674	84798920	Air humidity regulator		08
675	84798950	Radioactive waste compactor		08
676	84798990.90	Ultrasonic cleaning machine		01
677	84798990.90	High vacuum coating equipment		04
678	84798990.90	Vacuum sputtering machine		04
679	84798990.90	Automatic dispensing machine		04
680	84798990.90	Automatic placement machine		04
681	84798990.90	Oxidative dehydrogenation micro-reaction system		04
682	84798990.90	Automatic dehydration and embedding machine	It is used for fully automatic dehydration of slices, after drying, they are sealed with wax or other substances, and then observed after embedding.	05
683	84798990.90	Automatic dyeing machine	It is used in pathological sectioning tests to stain cells differently for accurate analysis.	05
684	84798990.90	Efficient coating machine	Used for administering tablet wrap icing.	05

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687	84807100.90	Precision hot runner molds	Controlling and maintaining melt plastic from the injection machine nozzle to the cavity ensures product quality and reduces scrap for the production of large and complex plastic parts.	04
688	84807100.90	High-speed extrusion mold for plastic profiles	It is composed of extrusion die (square, round), shaping die (square), water tank (square), and is packaged in a wooden case. The profile extrusion line speed $\geq 3.5\text{m/min}$, and the dimensional accuracy of forming and assembly is 0.01mm , which is used for the production of plastic profiles.	04
689	84807900	Radial tire molds and capsule molds	Radial tire live mold, using CAD/CAM/CAE, five-coordinate CNC processing, capsule mold is mainly used for radial tire forming machine. 04	04
690	84807900.90	Tire revitalization mold	The active mold is the sleeve of the rubber vulcanizing machine, with high dimensional accuracy, high temperature resistance, easy mold opening, and long life, and is used for the production of rubber tires.	04
691	84812010	High pressure hydraulic valves		04
692	84818010	Control valve	It is used to adjust the size of gas and liquid flow.	04
693	84818010	Electro-hydraulic servo valves	It is used for liquid and gas pipeline control.	03
694	84818010	Electro-hydraulic servo regulating ball valve	It is used for liquid and gas pipeline control.	04
695	84821000	Micro and small deep groove ball bearings	Inner diameter 4~25mm deep groove ball micro bearing, used in home appliances, micro motors, precision machinery and other fields.	04
696	84821000	Double row angular contact ball bearings	It is used in automobile wheels, with a lifespan of up to 120,000 km, and is also used in general machinery, precision machine tools and other fields.	04
697	84821000	New high-performance sedan wheels	The hub bearing is manufactured as one piece with the mounting flange, and the bearing unit can bear radial and axial loads. High temperature resistance 120°C , rotation speed 1800rpm, with ABS anti-lock device, used in car manufacturing.	04
698	84825000	Cylindrical roller bearings	Key accessories for oil rig mud pumps.	04
699	84829100	Precision silence-free bearing steel ball	Spherical rolling elements. Spherical error $\Delta\text{Sph} \leq 0.04\mu\text{m}$, hardness HRC64.5~65.5, reliable life $K \geq 12$, used to make precision bearings for machine tools, instruments, automobiles, chemical and other equipment.	07
700	84834090	Fluidly coupled governors	Power station boiler feedwater pump supporting equipment.	07
701	84841000	Flexible graphite seals	Various sealing rings, gaskets, etc. made of flexible graphite paper (plate) or composite reinforcement with metal belts, are used for dynamic and static sealing of pumps, valves, and pipelines.	06
702	84851000	Marine propulsion		08
703	84851000	Water jet propulsion		08
704	84851000	Lateral propulsion device		08
705	84851000	Z-type propulsion		08
706	84859000	Magnetic cores for computers and communications	Ferrite core, with the advantages of small weight, high performance and low cost, is used in computer, communication, home appliance and other industries.	06
707	85016200	dynamo	$75\text{kVA} < \text{output power} \leq 375\text{kVA}$.	07
708	85016300	dynamo	$375\text{kVA} < \text{output power} \leq 750\text{kVA}$.	07
709	85016410	dynamo	$750\text{kVA} < \text{output power} \leq 350\text{MVA}$.	07
710	85016420	dynamo	The output power $< 350\text{MVA} \leq 665\text{MVA}$.	07
711	85016430	dynamo	The output power $> 665\text{MVA}$.	07
712	85021100	CNC diesel generator set	It is composed of a diesel engine, a multi-pole permanent magnet generator and a control module, which adopts CPU and IGBT technology to automatically adjust the speed with the load. Rated power $< 75\text{kVA}$, rated frequency 50/60Hz, rated voltage 230/115/240/120V, stable voltage deviation $\leq 1.5\%$, used as backup power supply in telecommunications, telecommunications, transportation and other fields.	07
713	85023100	Wind turbines		07

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716	85030090.90	Highly reliable multi-functional excitation device	Special device for generator set control system.	04
717	85041010	High efficiency electronic ballast		07
718	85042321	Ultra-large capacity autotransformer	400MVA< capacity ≤ 500MVA, voltage ≥ 220kV, no-load loss ≤50kVA, on-load loss ≤280kVA, partial discharge ≤500pc, noise ≤ 82dB. Used in power systems as network connection transformers.	07
719	85043110	Current transformer	Rated capacity ≤ 1kVA.	07
720	85043190	Electronic transformers	Rated capacity ≤ 1kVA and is mainly used for power conversion of electronic devices.	01
721	85043190	Sweep back transformer	Pulsed electronic transformer, commonly known as high-voltage pack, has a rated capacity of ≤ 1kVA and is used to generate anode high voltage, focusing voltage, curtain grid voltage, etc. in TVs and displays.	01
722	85043210	Current transformer	1kVA < rated capacity ≤ 16kVA.	07
723	85043300	Low loss power transformers	With new technology and new materials, the no-load loss can be reduced by 20%, the load loss can be reduced by 10%, the noise is low, and the rated capacity of 16KVA< ≤ 500kVA, is used in the power system.	07
724	85043300	Intelligent box substation	35kV and below.	07
725	85043400	High-power rectifier	Rated capacity > 500kVA.	07
726	85044019	Programmable AC and DC regulated power supply	Regulated power supply for large equipment.	01
727	85044019	High frequency switching power supply system	For communication equipment.	01
728	85044020	Ups	Abbreviated as UPS.	01
729	85044091	Avalanche rectifier bridge		01
730	85044091	Vehicle rectifier bridge		01
731	85044099	AC/DC converters	For communication rooms.	01
732	85044099	DC converters		01
733	85044099	Frequency conversion speed regulation device	Electronic frequency modulation.	04
734	85044099	Excavator full digital DC speed regulation electronic control equipment	DC power supply system for excavators, cabinet structure, wooden box packing. Replace the traditional F-D rotary AC unit, fully digital control, provide different AC output current/voltage, good speed regulation performance, used for armature, excitation, control, etc.	04
735	85044099	Soft starter	Box structure, using high-frequency filtering technology, torque control technology and CNC technology, with self-protection function, is used for motor starting control.	07
736	85044099.9	On-board auxiliary converter	AC-DC-AC conversion equipment composed of IGBT and transformer module converts single-phase AC power supply into three-phase four-wire AC power supply. The voltage fluctuation ≤±3%, the waveform distortion rate < 10%, and the efficiency > 90%, and it is used as an on-board auxiliary power supply equipment for the subway.	07
737	85045000	Chip inductors	Including stacked chip inductors, wire-wound chip inductors, surface mount inductors, etc.	01
738	85049011	T4 transformer plate	Density 1.00~1.30g/cm ³ , electrical strength > 30kV, tensile strength in oil: longitudinal >100MPa, transverse >80MPa.	07
739	85049011	Transformer parts	Parts of liquid dielectric transformers with a rated capacity ≥ 400MVA.	07
740	85049020	Parts for voltage regulated power supply and uninterruptible power supply		07
741	85049090	Parts for transformers,		07

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743	85051190	Permanent magnet material	magnet material Sc-16, Sc-20(BH)max \geq 15MGOe.	06
744	85051190	High-performance strontium ferrite	High-performance permanent magnet ferrite materials, Y30H-1, Y30H-2, Y32. Y33 (BH) max27 ~ 35kJ/m ³ .	06
745	85051190	3. High ferrite tile products	(BH)max28~32kJ/m ³ , Hcj300~330kA/m, Br390~400mT (milliTesla).	06
746	85051190	High remanence magnet permanent magnet ferrite material	Remanent Br400~440mT, Hcj275~320kA/m, Hcb268~290kA/m, (BH)max: 30.3~35kJ/m ³ .	06
747	85051190	Sintered NdFeB permanent magnet material	N35-N48, N35SH-N38EH, etc., high energy accumulation, high coercivity, high working temperature.	06
748	85051190	Color tube deflection core		06
749	85051900	Magnetic plastic particles and their products		06
750	85061010	Mercury-free alkaline batteries	Zinc-manganese raw material or zinc-manganese positive and negative electrodes.	07
751	85064000	Silver-zinc batteries		07
752	85065000	High-energy lithium primary battery	Lithium primary battery and primary battery pack.	07
753	85072000	New lead-acid batteries	Valve-regulated seals are maintenance-free.	07
754	85078010	NiMH batteries		07
755	85078020	Lithium-ion battery		07
756	85152110	Fully automatic or semi-automatic resistance straight seam welding machine		04
757	85153110	Fully automatic or semi-automatic spiral welding machine		04
758	85153190	Fully automatic or semi-automatic arc welding machine		04
759	85153900	Small and lightweight self-feeding arc welding machine	It is composed of main transformer, wire feeding mechanism, welding torch, wire feeding adjustment control board, transmission device and other components, with a rated output current of 75~105A, which is used for welding low and medium carbon steel and non-ferrous metals.	04
760	85158000	Semiconductor chip soldering equipment	Used for soldering semiconductor chips.	01
761	85158000	Inverter welding machine	Metal welding equipment.	07
762	85168000	Molybdenum siliconized electrothermal controllable components		01
763	85171100	Cordless telephone		01
764	85171910	Video telephone	It is composed of telephones, camera equipment, TV receiving display equipment and controllers, which can transmit voice and images in real time through telephone lines.	01
765	85171990	IC card telephone		01
766	85171990	Coin telephone		01
767	85171990	Caller ID phone		01
768	85172100	electrograph	Fax machines with G3 or higher rates (including color fax machines) with a transmission rate of \geq 33600bps.	01
769	85173011	Telephone exchange	Capacity \geq 5000 doors.	01
770	85173013	Digital mobile communication switches	For WCDMA, CDMA2000, and TD-SCDMA system networking.	01
771	85173019	Digital programmable switches		01
772	85173091	Analog mobile communication		01

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		modulation equipment		
775	85175022	WDM multiplexed optical fiber communication and transmission equipment	For fiber optic transmission of different wavelengths, increasing capacity.	01
776	85175022	Optical wavelength division multiplexer	Densely spaced light wavelength can be multiplexed to a single fiber for transmission, or the multiplexed light wave is separated in a black aluminum package with an in-house assembled WDM device. The insertion loss $\leq 1.8\text{dB}\sim 5.0\text{dB}$ (2~16 waves), the isolation of adjacent channels $\geq 30\text{dB}$, and the wavelength thermal stability is better than $0.002\text{nm}/^{\circ}\text{C}$, which is used for long-distance trunk DWDM systems, city-city network systems and CATV systems.	01
777	85175022	Dense WDM multiplexing equipment		01
778	85175029	Optoelectronic integrated digital transmission equipment		01
779	85175029	Integrated business fiber optic loop equipment	It is used for integrated transmission of language, data, image, and television.	01
780	85175029	Fiber optic communication devices		01
781	85175029	Analog fiber optic communication transmission equipment		01
782	85175029	Erbium-doped fiber optic amplifier	It consists of a pumped laser, erbium-doped fiber, and passive devices.	01
783	85175031	Communication network clock synchronization device		01
784	85175032	LAN switches	Switches that integrate voice, data, and video services and provide 10/100Mbps, 1000Mbps, ATM, or USB interfaces.	01
785	85175033	IP telephony equipment	The control center of IP phones manages the gateways transferred in the domain, centrally manages routes, numbers and address information, and has functions such as user authentication, account management, address translation, route finding and bandwidth resource management, and supports voice-to-data conversion.	01
786	85175036	modem	MODEM of 256M or above.	01
787	85175039	Bridge		01
788	85175090	Multiservice switches	Switches that can integrate voice, data, video and other services, and can provide 10/100Mbps, 1000Mbps, ATM and other interfaces or USB interfaces.	01
789	85175090	Communication queuing machine		01
790	85175090	Packet switching system equipment		01
791	85175090	Frame Relay Device	Package the transmission equipment.	01
792	85175090	Image compression codec equipment		01
793	85175090	Multiplexing equipment		01
794	85175090	Broadband multi-service switching equipment		01
795	85175090	Base Station Controller		01
796	85175090	Synchronous digital microwave		01

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799	85179010	Digital Programmable Telephone Exchange Parts	01
800	85179020	Parts for optical transceivers and pulse coding modulation equipment	01

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serial number	Customs commodity number	Product Name	description	Technical field
801	85179031	The fax machine uses a thermal recording head		01
802	85179032	Contact image sensor for fax machines		01
803	85179039	Fax machine parts		01
804	85179090	Optoelectronic devices for optical fiber communication	The core components of optical fiber communication equipment include transceivers and modules of various wavelengths, with a transmission rate of 2~1000Mb/s, which are used for optical fiber communication.	01
805	85179090	Optocouplers	Optical passive devices for optical power redistribution, the chip is a cylinder, and the whole piece is an aluminum/plastic black flat cuboid. Spectral ratio 1/9~50/50 (arbitrary), directionality > 55dB, PPL<0.1dB, TDL<0.1dB, used for optical fiber city network, access network, CATV and test instruments.	01
806	85181000	Capacitive microphone	The case is made of metal cylindrical tubes. The frequency response range is 20Hz~20kHz, the sensitivity is -38dB, the signal-to-noise ratio is >78dB (dispersion<±1.5dB), and the directivity is cardiological, circular, etc., which is used for sound pickup, sound transmission, and amplification.	01
807	85182900	loudspeaker	Micro, high-sound, high-power speakers used in mobile communications, high-fidelity, in-vehicle and other systems.	01
808	85184000.90	Digital audio amplifier		01
809	85199910	CD player	Laser record player.	01
810	85199990	Hi-Fi sound system	The audio power amplification is a complete set of equipment, using multi-channel surround sound technology, with a frequency response of 10Hz~100kHz±1dB, and a distortion of ≤0.01%.	01
811	85199990	Sound replay device	Includes Walkman and MP3 player.	01
812	85202000	Recording telephone		01
813	85211019	Tape type recorder		01
814	85219012.10	Digital video high-density disc (DVD) player	DVD player with recording function, with or without a high-frequency tuning amplifier.	01
815	85219090.10	Metal master plate production equipment	Optical disc production equipment, whether or not it is equipped with a high-frequency tuning amplifier.	01
816	85219090.90	Video signal recording or replay device		01
817	85219090.90	Video processor	It adopts CPU and GPU comprehensive processing technology, has material and subtitle editing functions, a variety of video signal output formats, supports 1920×1080×50i and 1920×1080×25p high-definition format and a variety of compression formats, and is used for the editing and production of high-definition TV programs.	01
818	85219090.90	Edit the video recorder		01
819	85219090.90	Edit the camera		01
820	85229039	Video recorder head		01
821	85229039.10	Laser head	It is used in DVD players and CD-R, CD-R/W playback and burning equipment.	01
822	85239000	disc	Includes CD-R/W, DVD blank platter.	01
823	85243100	compact disc	Includes a disc that replays sound and other information.	01

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827	85251010	Color TV transmitter	It has the functions of digital channel coding, error correction, modulation, equalization, pre-correction, etc., the modulation error rate (MER) is better than 2:33dB, the phase noise is -95dBc/Hz@10kHz, the harmonic radiation is <-60dBc, and the transmitting power is from 10 watts to kilowatts, which is used for digital TV broadcast transmission.	01
828	85251010	Medium and short wave broadcast transmitters	It has functions such as digital channel encoding, error correction, modulation, equalization, and pre-correction, and the transmitting power ranges from tens of watts to tens of kilowatts, and is used for digital sound and multimedia broadcast transmission.	01
829	85251010	All solid-state FM broadcast transmitters	It has the functions of digital channel coding, error correction, modulation, equalization, pre-correction, etc., and the transmitting power ranges from tens of watts to tens of kilowatts, and PDM, DX or PSM modulation mode, which is used for digital amplitude modulation broadcast transmission.	01
830	85251010	Multi-channel digital audio transmission equipment	Broadcast and television transmitting equipment.	01
831	85251010	Adjacent frequency transmission front-end equipment	Wired telephones, telegraph equipment, including wired carrier communication equipment.	01
832	85251090	Wireless telephone, telegraph sending equipment		01
833	85252011	Satellite ground station equipment for television		01
834	85252019	Satellite communication earth station		01
835	85252019	Very small antenna earth station	It is abbreviated as VSAT.	01
836	85252019	Satellite transponder		01
837	85252019	Satellite radio and television transceiver system equipment	Satellite Earth Station Equipment.	01
838	85252022.11	GSM handheld cordless telephone complete set of spare parts		01
839	85252022.19	GSM handheld cordless telephone		01
840	85252022.21	CDMA handheld cordless telephone complete set of spare parts		01
841	85252022.29	CDMA handheld cordless telephone		01
842	85252023	intercom		01
843	85252029	Mobile communication devices		01
844	85252091	Color TV Difference Turnover		01
845	85252091	Satellite transmission type CCD TV remote sensing equipment		01
846	85252092.10	GSM radio base station		01
847	85252092.20	CDMA-type mobile communication base station		01
848	85252092.30	TACS mobile communication base station		01
849	85252092.90	Mobile communication base station		01
850	85252092.90	Base station transceiver station		01
851	85252093	Wireless user access network devices		01
852	85252099	Wireless communication	It is composed of main antenna, retransmit antenna, power supply, feeder, main unit, etc., and	04

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853	85252099	receiving equipment equipped with a receiving device		01
854	85253010.10	Anti-radiation special purpose television camera	It can resist radiation above 5×10 ⁴ Gray (silicon) without degrading the quality of use.	01
855	85253010.90	Special purpose TV cameras		01
856	85253091	Broadcast-grade TV cameras	For broadcast-grade non-special uses.	01
857	85253099.20	computer camera		01
858	85253099.20	Mobile phone camera lens	It is composed of three parts: lens + CCD/CMOS + digital signal processing circuit, with an image resolution of > 1280×960 (1.3 million pixels) and 24-bit true color, which is used for mobile phone acquisition of dynamic and still images.	01
859	85254010	Digital camera		01
860	85254042	Home camcorder		01
861	85261010.10	navigation radar	It is used for navigation and target detection of missiles, rockets, etc.	03
862	85261090.11	Airborne radar	It is used for navigation and target detection of missiles, rockets, etc.	03
863	85261090.19	Airborne weather radar		03
864	85261090.19	Airborne windshear radar		03
865	85269110	Radio navigation equipment	Used in motor vehicles.	04
866	85269190	Radio navigation equipment	For other equipment or devices other than motor vehicles.	03
867	85269190	In-flight navigation system		03
868	85269200	Non-encrypted radio telemetry device		03
869	85269200	Radio remote control equipment		03
870	85269200	Ship main engine remote control equipment		04
871	85271300	Portable stereo CD recorder		01
872	85281210	Color satellite TV receiver		01
873	85281221	Color television	42cm and below.	01
874	85281222	Color television	42 cm < screen ≤ 52 cm.	01
875	85281223	Color television	52cm < screen ≤ 74cm.	01
876	85281224	Color television	74cm or more.	01
877	85281310	Monochrome television	16cm and below.	01
878	85281320	Monochrome television	16cm < screen ≤ 42cm monochrome or other monochrome television.	01
879	85281330	Monochrome television	42cm < screen ≤ 52cm black and white or other monochrome television.	01
880	85281340	Monochrome television	Black and white or other monochrome TVs over 52cm.	01
881	85282100	Color video monitor	42 cm < screen ≤ 52 cm.	01
882	85282100	Large screen display		01
883	85283010	Color video projector		01
884	85291010	Radar navigation antenna		01
885	85291090.10	Mobile phone antenna		01
886	85291090.20	Wireless radio and television antenna		01
887	85291090.90	Satellite communication antenna	Includes antennas for satellites and earth stations.	01
888	85299010	Cable TV modulator, demodulator		01
889	85299050	Radar and radio navigation equipment parts		03
890	85299090	Dispenser, brancher		01
891	85299090	Cable TV plus jamming equipment		01
892	85299090.10	High frequency tuner	Also known as high-frequency heads.	01

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896	85311090	Induction smoke and fire alarm system		01
897	85312000	Display board	Display board with liquid crystal device or light-emitting tube.	01
898	85318010.10	Small buzzer	The volume does not exceed 110dB.	01
899	85318090	Clock, subtitle generator		01
900	85318090	TV broadcast teleprompter		01
901	85321000	Metallized polyester film power capacitors		01
902	85322110	Chip tantalum capacitors	Chip tantalum capacitors have the advantages of large capacity, small size, small leakage current, low impedance/equivalent series resistance, capacity 0.1~680μF, leakage current ≤0.5μA, used in small electronic and digital products.	01
903	85322190	Tantalum electrolytic capacitors		01
904	85322200	Aluminum electrolytic capacitors		01
905	85322300	Single-layer porcelain dielectric capacitors		01
906	85322410	Chip multilayer porcelain dielectric capacitors		01
907	85322490	Monolithic capacitors		01
908	85322510	Chip plastic dielectric capacitors		01
909	85323000	Adjustable capacitors		01
910	85332110	chip resistors	Dimensions≤ 1.0mm×0.5mm.	01
911	85334000	Zinc oxide chip varistors	The varistor voltage is 8~30V±10%, and the peak current is 30A, and it is used as an electrostatic discharge suppression element in small electronic and digital products such as mobile phones.	01
912	85334000	Chip potentiometers	Variable resistors (including rheostats and potentiometers).	01
913	85340010	Printed circuit	More than four layers on both sides.	01
914	85340090	Printed circuit	double-sided four floors and below four floors.	01
915	85352900.90	breakers	Voltage > 500kV.	07
916	85353000	Disconnect switch	Voltage 10~500kV.	07
917	85354000	Zinc oxide arresters and zinc oxide valve discs		07
918	85354000	Conductor suppressors		07
919	85359000	High pressure vacuum switch tube	Voltage> 1kV.	07
920	85359000	filter	Microwave passive components used in communication systems.	07
921	85359000	Wave blocker	500kV, 4000A and below.	07
922	85362000	Leakage protector	Voltage< 1kV.	01
923	85362000	Plastic housing circuit breaker	50Hz or 60Hz, rated current 10~800A, rated working voltage ≤690V, distributing electrical energy in the distribution network, and serving as overload and undervoltage protection for lines and power supply equipment.	07
924	85363000	Motor protector	It adopts anti-leakage detection protection and pure overload fusing protection, and has the triple protection functions of over-pressure, over-temperature and anti-leakage.	07
925	85363000	Overvoltage shielding gas discharge tube	It is composed of metallized ceramic insulator and discharge electrode sealing, filled with inert gas, and coated with effective electron emitting material on the surface of the electrode, so as to limit the surge voltage to a low potential, and is used in user terminal equipment such as telephone exchanges, televisions, fax machines, modems, etc.	01
926	85364100	Relay	Relays with voltage ≤ 60V.	01
927	85364100	SMT uses relays	Relays with voltage ≤ 60V.	01
928	85364900	SMT uses relays	Relays with voltage > 60V.	01
929	85364900	Relay	Relays with a voltage < 1kV < 60V.	01
930	85365000	Car lock	Electronic switch, number of operations: 50,000 times of ignition lock; 50,000 times of car lock for	04

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序号	HS编码	产品名称	产品描述	备注
935	85371010	Programmable controller	PLC for short, using low-power Pentium CPU or above. It has a network node function and can run a real-time operating system for industrial control field.	01
936	85371010	CNC device	Voltage $\leq 1\text{kV}$.	07
937	85371010.30	CNC device for machine tools	Lines with voltages $\leq 1\text{kV}$.	01
938	85371090	Intelligent medium and low voltage switchgear		07
939	85371090	Blur controllers	Instead of establishing an accurate mathematical model, fuzzy theory is used to introduce human experience and knowledge and thinking reasoning, and realize the intelligent controller of the control process, which is used in the control system of hydraulic servo systems, robots, automobiles, and home appliances.	01
940	85371090	Wireless power load control system		04
941	85371090.1	Elevator control system	It can directly adjust the automatic door opening and closing time and arbitrarily set the signal of the non-responsive layer, and can record 50 fault history.	04
942	85371090.9	Power control distribution device	Lines with voltages $\leq 1\text{kV}$.	01
943	85372010	High voltage switchgear	Voltage $\geq 500\text{kV}$.	07
944	85372010	Fully enclosed combination electrical appliances	Voltage $\geq 500\text{kV}$.	07
945	85372090	Intelligent 10kV distribution network switch		07
946	85372090	Factory and station automation monitoring system	Used in power dispatching systems and substations.	07
947	85372090	High-voltage and ultra-high-voltage transmission and transformation line protection devices	Used in power dispatching systems and substations.	07
948	85393190	Compact fluorescent energy-saving lamp	Electronic ballast and lamp integrated.	07
949	85393190	Electronic energy-saving lamp		07
950	85393190	Rare earth three-color compact energy-saving lamp		07
951	85402090	Transformer tube	Electric vacuum devices used to turn infrared, X-ray, and other images into visible images.	01
952	85402090	Image enhancer	Used to enhance faint visible light into a bright visible image.	01
953	85402090	Photoelectric multiplier tube	Electric vacuum devices used to convert weak light signals into electrical signals.	01
954	85404000	Color display tube, picture tube	Resolution $\geq 1024 \times 768$, dot pitch $< 0.25\text{mm}$.	01
955	85407100	Magnetron		01
956	85407200	Quick control tube		01
957	85407900	Microwave 3 and 4 odes	Three-pin and four-pin electric vacuum devices that can generate high-power microwave energy, which are used in radio and television, communication equipment, etc.	01
958	85408100	Receiving tube or amplification tube		01
959	85408900	Vacuum switch tube	Rated voltage 40.5kV, rated current 630A, rated frequency 50/60Hz, mechanical life 10000 times, used for outdoor vacuum circuit breaker.	01
960	85409110	Deflect the coil	Color TV picture works.	01
961	85411000	Chip diodes	Packaged as a flat, chip-type semiconductor discrete device.	01
962	85411000	Avalanche type rectifier diodes		01

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966	85412900	transistor	transistors with dissipated power $\leq 1W$ (excluding photosensitive transistors).	01
967	85412900	High-power thyristors	Semiconductor switching devices that regulate power are used in high-voltage DC transmission, electrochemical metallurgy, generator excitation and electrical transmission.	01
968	85413000	Semiconductor switching elements and three-terminal bidirectional triacs	No photosensitive devices.	01
969	85414000	Satellite power system		03
970	85414000	Light Emitting Diodes	The luminous wavelength is from 395~940nm, and the brightness is 5~8cd.	01
971	85414000	Solar cells for the space station		03
972	85414000	Solar power system combination		03
973	85414000	Optocouplers	Photosensitive semiconductor devices.	04
974	85414000	Laser crystal elements		04
975	85414000	Photosensitive semiconductor devices	This includes photovoltaic cells, whether installed in modules or assembled into blocks.	04
976	85414000	Photodiode array sensor		04
977	85414000	solar cell	Monocrystalline silicon, polysilicon.	07
978	85415000	Voltage-sensitive components and sensors	Key components of instrumentation products.	04
979	85415000	Charge-coupled device image sensor	Hybrid and monolithic integrated charge-coupled device (CCD) image sensors for digital photography and videography devices.	01
980	85415000	Vertical dual diffusion metal oxide semiconductors	VDMOS, a semiconductor discrete device, has high resistance to backvoltage, low power consumption, and short switching time when used at high power.	01
981	85415000	Semiconductor system cold film	Semiconductor materials that use the temperature difference effect to cool the temperature difference are used as refrigeration components for electronic products.	01
982	85416000	Quartz crystal resonator	It has the characteristics of high precision, low power consumption and temperature frequency difference.	01
983	85416000	Chip ceramic piezoelectric devices	Chip piezoelectric ceramic resonator as a clock generator with a resonance frequency of 1.8~60.0MHz, and a chip piezoelectric ceramic filter as an intermediate frequency signal selection element, with a center frequency of 455kHz~13.0MHz, used in electronic products.	01
984	85416000	Crystal pressure sensor		04
985	85416000	Piezoelectric ceramic acoustic surface wave elements	Ceramic components that can convert parameters between mechanical force and capacitance.	01
986	85421000	Smart integrated circuit cards	Cards equipped with monolithic integrated circuits, referred to as IC cards, include contact cards, contactless cards and other types.	01
987	85422111	IC components	Monolithic integrated circuit with a line width $\leq 0.18\mu m$.	01
988	85422121	IC components	$0.18\mu m < \text{line width} \leq 0.35\mu m$ monolithic integrated circuit element.	01
989	85422191	IC components	Monolithic integrated circuit chips with a line width $> 0.35\mu m$.	01
990	85422900	Analog integrated circuits	refers to medium and small-scale bipolar integrated circuits.	01
991	85422900	Specialized digital integrated circuits		01
992	85422900	Digital integrated circuits	refers to medium and small-scale metal-oxide semiconductor monolithic integrated circuits.	01
993	85426000	Hybrid integrated circuits	Made from monolithic integrated circuits and discrete components using a mix of thin-film, thick-film technologies, including analog, digital, and specialized circuits, for use in the electronics industry.	01
994	85427010	Laser transceiver module	It is composed of optoelectronic devices, functional circuits, optical interfaces and structural parts. The transmission rate is 155Mb/s~2.5Gb/s, the	01

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996	85429000	Other integrated circuit and microelectronic component parts		01
997	85431100	ion implantation machine	ion implantation for submicron integrated circuit and semiconductor device production.	01
998	85431900	particle accelerator		04
999	85431900	Medical cyclotron	Used to generate short-lived isotopes required for diagnosis, including low energy (4~6 MeV), medium energy (14 MeV), and high energy (18~20 MeV).	05
1000	85431900.10	Pulsed electron accelerator	Peak energy ≥ 500 keV.	04
1001	85431900.20	Neutron generator system	Includes neutron tubes (in vacuum, electrostatic acceleration is used to induce tritium-deuterium nuclear reactions).	04
1002	85432010	Universal signal generator	The output signal frequency < 1500 MHz.	04
1003	85433000	New hydrogen production and storage devices	Electrolysis of water to produce hydrogen has a high degree of safety and self-control.	07
1004	85433000	Aluminum electrolyzer aluminum smelting energy-saving device	For metal smelting and casting.	07
1005	85433000.10	Electrochemical reduction tank		04
1006	85433000.90	Electroplating equipment		04
1007	85434000	Electric fence mesh exciter		04
1008	85438910	Metal deposit detector		04
1009	85438920	Mainline amplifiers	High and mid frequency amplifiers.	01
1010	85438920	Distribution amplifier	High and mid frequency amplifiers.	01
1011	85438920.10	Power amplifier	For wireless radio and television.	01
1012	85438990.10	Flight data logger		03
1013	85438990.20	Exciter for wireless radio and television	With independent functions.	01
1014	85438990.30	analog/digital converter		01
1015	85438990.90	Smart Silver Cabinet		01
1016	85438990.90	Electron beam evaporation equipment		01
1017	85438990.90	Sputtering equipment	Accuracy 0.1%.	01
1018	85438990.90	Chemical vapor deposition equipment	It is used in the fabrication of submicron integrated circuits.	01
1019	85438990.90	Like enhanced manufacturing equipment	Used to enhance faint visible light into a bright visible image.	01
1020	85438990.90	Video switching devices	It can output multiple digital video signals to any output channel, support power failure site protection, input signal monitoring, RS232 remote control, etc., and provide various communication protocols to realize network control, which can be used in electronic teaching systems, multimedia conference rooms and other occasions.	01
1021	85438990.90	Audio switching devices	The audio signal is processed and processed digitally, the A/D converter ≥ 16 bit, the sampling frequency ≥ 48 kHz, the signal-to-noise ratio ≥ 90 dB, and the fullness level ≥ 24 dBFs, which is used for amplification of radio stations, television stations or cultural venues.	01
1022	85438990.90	Addressable controlled centralized allocator	Pay TV Distributor.	01
1023	85438990.90	Microwave multipoint multi-channel TV distribution system	MMDS.	01
1024	85438990.90	On-demand TV equipment	The system capacity $> 100,000$ users is used for cable networks or IP networks to provide program services for users.	01
1025	85438990.90	Electroluminescent sheet	Display devices that emit light by excitation using electroluminescent materials can be divided into two types according to the excitation voltage, AC and DC, and are used as displays for flat panel displays and televisions.	01

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1029	85438990.90	Sodium hypochlorite generator	A device that can produce NaClO disinfectant.	08
1030	85439010	Particle Accelerator Parts		04
1031	85441100	Micro and special enameled wires	Ultra-fine enameled copper round wire, diameter $\leq 0.02\text{mm}$, flatness $< 0.003\text{mm}$, mainly used for winding transformers, micromotor coils, etc.	06
1032	85442000	coaxial cable	Used in the field of electronic information.	06
1033	85444910	Data cables	Solid core polyhydrocarbon insulated twisted cable, wire reel packaging. The maximum diameter is 20mm, the maximum imbalance of insulation DC resistance is 2.5%, the characteristic interference resistance is $100 \pm 15\Omega$, the insulation resistance between the cores is $\geq 5000\text{M}\Omega/\text{km}$, and the working capacitance is $\leq 5.6\text{nF}/100\text{m}$, which is used in telecommunications, radio and television, intelligent facilities and high-speed communication networks.	01
1034	85446019	Copper core, copper sheathed magnesium oxide insulated fireproof cable	No breakdown for 1 minute at lightweight 1.5kV voltage, and 1 minute no breakdown at heavy duty 2.5kV voltage.	06
1035	85447000	Communication fiber optic cables	Multiple communication fibers are made into cables for laser communication.	06
1036	85469000	Synthetic insulated sleeve	Power transmission and transformation equipment parts for 110kV power system.	07
1037	85469000	Suspension synthetic insulator	Power transmission and transformation equipment parts for power systems of 500kV and below.	07
1038	85469000	Synthetic insulating beams	Power transmission and transformation equipment parts for 110kV power system.	07
1039	85469000	Synthetic insulated struts	Power transmission and transformation equipment parts for 220kV power system.	07
1040	85471000	High insulation new structural ceramics	It is made of 95 alumina as the main raw material, adding trace elements, and sintering with ternary formula. Bulk density $\geq 3.6\text{g}/\text{cm}^3$, flexural strength $> 27410\text{N}/\text{cm}^2$, used in electric power, petrochemical, textile and other industries.	06
1041	85479090	Insulator fittings	It adopts the hot-dip galvanizing process of high-strength malleable iron castings (iron caps), which is pickling resistant and is used in high-voltage transmission lines and electrified railway power supply lines.	07
1042	86090090	Special refrigerated containers	The overall size, number of doors, position, chassis are different from standard containers, the door can be opened from the inside, can be refrigerated and frozen, cold, heated, and moisturized at the same time, and the temperature is controllable and adjustable, and the accuracy is high.	04
1043	87059030	Pollution source water quality pollution detection vehicle	Special vehicles are used for field water quality surveys, which can obtain water quality analysis results in a timely manner.	08
1044	87059090.90	TV broadcast car	Special purpose vehicles.	01
1045	87059090.90	Recording car	Special purpose vehicles.	01
1046	87089390	Automotive clutch gland assembly	The key components of the clutch are composed of corresponding matching friction plates and driven disc assemblies, which are used to press and separate the clutch driven disc.	04
1047	87089390	Asbestos-free automotive clutch patch	Made of carbon fiber, lead fiber and ceramic fiber, the dynamic friction coefficient is stable at 0.4 at 0-200°C, and the service life is $> 100,000$ kilometers, FF grade, used to transmit engine torque.	04
1048	87089390	Automotive clutch driven disc assembly	The key components of the clutch, the surface adopts carbonitriding heat treatment process, high heat load, anti-sticking, used in automobile clutch matching.	04
1049	87089999	Speed sensor	The operating temperature is -45°C to $+85^{\circ}\text{C}$, the working air gap is $0.25 \pm 1.90\text{mm}$, the speed measurement range is 18?2700rpm, and the output interface TY1B-3TJ is used for the measurement and control of vehicle speed.	04
1050	87089999	Constant velocity universal joint	The bending torque $< 28\text{kg}$, the bending force $< 80\text{kg}$, the active side sway angle is 72.3° , and the	04

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1054	88021220	Large transport helicopter	Helicopter with an unladen weight > 7000 kg.	03
1055	88022000	light aircraft	Unladen weight < 2000kg.	03
1056	88031000	Propulsion systems for aircraft		03
1057	88032000	undercarriage		03
1058	88033000	Aircraft and helicopter parts		03
1059	88033000	propeller	Aircraft and helicopter parts.	03
1060	88033000	Drivetrain	Aircraft and helicopter parts.	03
1061	88033000	Lift system	Aircraft and helicopter parts.	03
1062	88033000	Tail rotor system	Aircraft and helicopter parts.	03
1063	88033000	ESC system	Aircraft and helicopter parts.	03
1064	88033000	Auxiliary power unit	Aircraft and helicopter parts.	03
1065	88033000	Hydraulic servos	Aircraft and helicopter parts.	03
1066	88033000	On-board brake braking system	Aircraft and helicopter parts.	03
1067	88033000	Electronic brake anti-skid system	Aircraft and helicopter parts.	03
1068	88033000	On-board autopilot system	Aircraft and helicopter parts.	03
1069	88033000	car	Aircraft and helicopter parts.	03
1070	88033000	Airborne equipment and its components	Aircraft and helicopter parts.	03
1071	88033000	Applied satellite structural system products		03
1072	88033000	load-bearing components and thermal protection structures	Aircraft and helicopter parts.	03
1073	88033000	Separate unlocking device and parts	Aircraft and helicopter parts.	03
1074	88033000	Connectors, motion mechanisms	Aircraft and helicopter parts.	03
1075	88039000	Airships, gliders and their parts		03
1076	88039000	Launch vehicle arrow structure system and products	Aerospace Components.	03
1077	88039000	launch vehicle storage tank, load-bearing shell section	Aerospace Components.	03
1078	88039000	Satellite fairing, satellite mount, satellite bandage	Aerospace Components.	03
1079	88039000	Satellite distributor	Aerospace Components.	03
1080	88039000	Unlock and separate systems and pyrotechnics	Aerospace Components.	03
1081	88040000	Parachutes and their parts	Including maneuverable parachutes, paragliders and rotor parachutes.	03
1082	88040000	Paramotor motor with its parts and accessories	Including maneuverable parachutes and rotary parachutes.	03
1083	88040000	Brake umbrella and lifesaving umbrella		03
1084	88052900	Pilot training simulator		03
1085	88052900	Ground Flight Trainer Parts & Accessories		03
1086	88052900	Pilot training simulator		03
1087	88052900	Three-axis motion simulation turntable		03
1088	88052900	Acceleration simulation rotary table		03
1089	88052900	Rate Turntable		03
1090	88052900	Load simulator		03
1091	89059090	Water pollution monitoring vessel	It is used for water quality survey of rivers, lakes and seas, and can obtain water quality analysis results in a timely manner.	08
1092	89079000.90	Wave power generation buoy	Floating structures use the energy of water fluctuations to generate electricity, mainly used as	07

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1097	89079000.90	Deep-sea glass spheres		08
1098	90011000	Communication fiber optics	The optical guide fiber made of high-purity quartz glass preform rod is used as an optical information transmission medium in excited communication.	06
1099	90011000	Image Delivery Bundle	It is used as an image transmission element for flexible bendable optical fiber mirrors.	06
1100	90011000	Medical fiber optics and products	Light guide fiber bundles and cables (except for goods No. 8544), quartz fibers that transmit lasers, for the diagnosis and treatment of cancer; Glass optical fibers that transmit visible light are used to make various light guide lenses and rods for medical use.	06
1101	90011000	UV fiber	Optical fiber, quartz optical fiber that transmits ultraviolet light, is used for ultraviolet light detection and medical treatment.	06
1102	90011000	Irradiation-resistant quartz fiber	Light guide fiber, used to make ultraviolet irradiometers.	06
1103	90011000	Laser energy transmission fiber	Light guide fibers are used for laser energy transmission, laser processing, and medical treatment.	06
1104	90011000	Metal-coated fiber optics	Light guide fiber, quartz fiber coated with metal aluminum, etc., can resist heat and vibration interference.	06
1105	90011000	Rare earth quartz fiber optics	Light guide fibers, quartz fibers doped with rare earth oxides, are used in laser amplifiers.	06
1106	90011000	Protect the polarized fiber	Light guide fiber, introduce doping on the inside of the single-mode quartz fiber core, so that the two modes remain stable under interference, and are used to make fiber optic gyroscopes and other optical fiber sensors.	06
1107	90011000	Plastic optical fibers and products	Optical fiber bundles and optical cables (except for products with No. 8544) are made of transparent plastics such as polytetrafluoroethylene and are made of fibers with surface treatment. Soft, foldable, transmitting visible light, used in various light decoration advertisements, etc.	06
1108	90011000	Liquid core light pipe	The transparent liquid is used as the core material and is filled in a transparent and soft cladding tube with a low refractive index, and the ends of the tube are sealed with a hard transparent material, thus forming an optical waveguide with a core/skin structure. It is a whole in terms of effective light cross-section, with a filling rate of 100%, and is used as a light transfer material for UV light sources.	06
1109	90011000.11	Non-dispersive displacement single-mode fiber		06
1110	90013000	Contact lens lenses		05
1111	90019000	High-precision cone prism		04
1112	90019000	Large diameter optical mirror	Diameter≥ 600mm.	04
1113	90019000	High-precision laser slides		04
1114	90019000	Lightweight mirror		04
1115	90019000	Aspherical lenses and mirrors		04
1116	90019000	High-precision grating		04
1117	90019000	Resin lenses		04
1118	90019000.10	Optics	The optical components of micro-optical components for optical communication have a wavelength of 800-1700nm, including thin-film filters, self-focusing lenses, and Faraday rotating sheets.	01
1119	90019000.20	Miniature lenses	For laser disc machines and laser transceivers.	01
1120	90021190	Zoom projection lens	Short cylindrical shape, composed of multiple sets of optical lenses, metal and plastic mechanical parts. Horizontal distortion <2%, vertical distortion <2%, lateral chromatic aberration ≤0.65pixel (450-650nm) RGB, used in projectors and other projection equipment.	01

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1125	90029090	Optical scanning lens	lenses in the shape of a long strip. A single lens has a diameter of < 1mm, 600dpi pixels, and a resolution of ≥60%, which can be automatically focused and used in copiers, fax machines, and other equipment.	01
1126	90058010	Telescope	With an effective aperture of 60mm and an eyepiece focal length from F3.6 to ultra-wide-angle F2.5mm, it has high resolution capabilities. It adopts a double-piece optical coated objective lens, equipped with star point test, built-in more than 1800 kinds of astronomical star data and realizes synchronous tracking.	04
1127	90058090	Glimmer night vision device	With a weight of 0.5kg and a small size, it can observe targets within 20m with no light or very weak light.	04
1128	90061010	Electronic color separator machine		04
1129	90062000	Microscopic camera	Cameras that use microfilm, film, or other microfilm.	04
1130	90063000	Fundus camera	Special purpose cameras.	05
1131	90071910	High-speed cinema camera	High-speed cinema camera with a film width ≤ 16mm.	01
1132	90079100	Parts and accessories for movie cameras		01
1133	90091110	Multi-color electrostatic photocopying equipment	Direct law.	01
1134	90091210	Multi-color electrostatic photocopying equipment	Indirect method.	01
1135	90091291	Multi-function copier		01
1136	90104100	Drawing wafer device		01
1137	90104200	Lithography equipment		01
1138	90104200	Repeat the lithography machine step by step	It is used for lithography of submicron integrated circuits.	01
1139	90111000	Microcirculation microscope	Optical binocular stereo microscope.	05
1140	90118000	Compound light microscope		04
1141	90118000	Surgical microscope		05
1142	90119000	Parts and accessories of compound optical microscopes		04
1143	90121000	Laser scanning microscope	Scanning microscope made of laser technology.	04
1144	90121000	Scanning tunneling microscope	It is used in scientific research, teaching, and production.	04
1145	90131000	Glimmer firearm scope	It is used for close observation and aiming in low light at night, and can identify people standing within 120m at 10 or 2 1x illumination.	04
1146	90132000.90	Laser pointer		01
1147	90132000.90	Gas lasers		04
1148	90132000.90	Solid-state lasers		04
1149	90132000.90	Semiconductor lasers		04
1150	90132000.90	Copper vapor lasers		04
1151	90132000.90	Gold vapor laser		04
1152	90132000.90	Dye lasers		04
1153	90138090	LCD display and module		01
1154	90138090	Laser ruler	A device that uses a laser light source to measure the length by interference.	01
1155	90138090	Light attenuator	Metal case encapsulation. The continuous attenuation range is 0-60dB, the attenuation accuracy is 0.1-0.5dB, the insertion loss is ≤1.0dB, and the return loss is ≥50dB, which is used for gain equalization of optical amplifiers, channel power balancing, and power control of optical transmitter receivers.	01
1156	90141000	Emergency magnetic compass	Directional compass.	03
1157	90142000	Aerospace navigation device	Except for the compass.	03

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		accelerometer		
1162	90142000.90	Helicopter autopilot		03
1163	90142000.90	Horizon Meter		03
1164	90142000.90	Barometric altitude indicator		03
1165	90142000.90	Airspeed indicator		03
1166	90142000.90	Lift and turn instrument		03
1167	90142000.90	Momentum wheel and actuator		03
1168	90142000.90	Spinning tops and various attitude-sensitive devices		03
1169	90151000	Rangefinder	Geodetic instruments.	04
1170	90151000	Infrared rangefinder	Geodetic instruments.	04
1171	90152000	Theodolites and apparent distances	Geodetic instruments.	04
1172	90152000	Automatic anemometer theodolite	Automatically measure meteorological parameters such as wind direction and typhoon.	04
1173	90153000	Level		04
1174	90154000	Photogrammetry instruments and devices		04
1175	90158000	Full-speed wind tunnel instrument verification equipment	Measure wind speed and direction.	04
1176	90158000	Meteorological special detection instruments and equipment	Measure various meteorological parameters.	04
1177	90158000	Electronic sonde	Monitor typhoons, wind speed, wind direction, distance, cloud speed, clouds, air pressure, etc.	04
1178	90158000	Lightning positioning system		04
1179	90158000	Optical ground tracking and measurement system		04
1180	90158000	Total station		04
1181	90158000	Laser scanner		04
1182	90158000	Underground electromagnetic wave meter	Measure field strength and phase.	08
1183	90158000	Infrared-TV optical tracking and measurement system		04
1184	90158000	Laser rangefinder, direction finder	Rangefinder and direction finder using laser technology.	04
1185	90158000	Magnetometer		04
1186	90158000	High-precision gravimeter		04
1187	90158000	Portable multi-channel digital seismograph		04
1188	90158000	Piezoelectric gyroscope inclinometer		04
1189	90158000	Telemetry CNC seismograph		04
1190	90158000	Digital seismograph		04
1191	90158000	Logging equipment for large slope directional wells		04
1192	90158000	Digital inclinometer while drilling		04
1193	90158000	Special instrument for directional well inclinometer		04
1194	90158000	Downhole Rayleigh Wave Explorer	Measure seismic waves.	04
1195	90158000	Channel wave digital seismograph		04
1196	90158000	All-round drilling inclinometer		04
1197	90158000	Pit permeasur		04
1198	90158000	Digital seismograph		04

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serial number	Customs commodity number	Product Name	description	Technical field
1201	90158000	Strain gauge gauge		04
1202	90158000	Geodetic gauge		04
1203	90158000	Vertical deformation measuring instrument		04
1204	90158000	Static level		04
1205	90158000	Inclinometer		04
1206	90158000	Horizontal telescope		04
1207	90158000	Hydrometeorological automatic observation system of ocean stations		04
1208	90158000	Acoustic water level gauge		04
1209	90158000	Station anemometer		04
1210	90158000	Acoustic wave gauge		04
1211	90158000	Tilt recorder		04
1212	90158000	Series water collectors		04
1213	90158000	Water quality measurement equipment		04
1214	90158000	Marine acoustic Doppler current profiler	ADCP for short.	04
1215	90158000	Marine weather instrument		04
1216	90158000	Warm salt deep profile instrument		04
1217	90158000	Multi-bottle water collector		04
1218	90158000	Temperature and deep flow comprehensive measurement equipment		04
1219	90158000	Geoelectric field instrument		08
1220	90158000	Ground resistivity tester		08
1221	90159000	Digital detector		04
1222	90159000	Three-component detector		04
1223	90159000	Servo accelerometer		04
1224	90159000	Seismic data collector		04
1225	90159000	Multi-channel earthquake precursor data collector		04
1226	90159000.90	Inter-well electromagnetic wave chromatograph	It is used to detect the distribution of rock and soil layers and hidden structures of the engineering site.	08
1227	90160010	Nuclear scales	The scale measured using nuclear technology has a sense < 0.1mg.	04
1228	90160090	Upper dish electronic balance	For weighing, 0.1mg≤ susceptibility≤ 50mg.	04
1229	90171000	plotter		01
1230	90172000	Single-arm 3D scriber	The scribing instrument using the three-dimensional coordinate principle is highly accurate and is used for multi-directional measurement and scribing of super-large overlays, complex components, and deep-hole cavity parts at industrial production sites.	01
1231	90173000	The number shows a micrometer	It is composed of measuring frame, measuring sensor, signal processing and display parts, etc., and is packaged in a wooden box. The measurement range is 0-25mm, the measurement flatness is 0.6μm, the reading system accuracy is 0.003mm, and the repeatability is 0.001mm, which is mainly used for precision measurement of machined parts.	04
1232	90181100	ECG machine	12-lead single-channel digital ECG machine and more than three multi-channel ECG machines.	05
1233	90181100	Holter monitoring system equipment	For heart rate monitoring, recording, and analysis over long periods of time during normal activities.	05
1234	90181100	Intracardiac Hische beam electrograph	Used to detect the electrical activity signal of the Hesh beam during each ECG cycle, pinpointing	05

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		physiological recorder	pressure, respiration, and pulse, with more than four conductors.	
1238	90181210	Type B ultrasound diagnostic equipment and probe		05
1239	90181291	Color ultrasound diagnostic instrument		05
1240	90181299	Ultrasound Doppler hemometer	The ultrasound Doppler principle was used to determine the velocity and acceleration of blood flow.	05
1241	90181299	Multifunctional ultrasound surgery equipment	Surgical equipment that uses the principle of ultrasound to cut and stop bleeding.	05
1242	90181299	Ultrasound orthopedic surgical instruments		05
1243	90181299	Ultrasound Doppler fetal monitor	Used to monitor fetal heart rate.	05
1244	90181299	Endoscopic ultrasound	Two-dimensional, reactive form.	05
1245	90181299	Ultrasound scanning device		05
1246	90181300	Magnetic resonance imaging device		05
1247	90181930	Patient monitor	It is used to monitor, alarm and analyze various parameters such as electrocardiogram, body temperature, blood pressure, respiration, pulse, blood oxygen saturation, heart rate variability, etc.	05
1248	90181930	Intracranial pressure monitor		05
1249	90181990	Medical laser therapy equipment	Equipment that can introduce energetic lasers (such as helium-neon lasers) into human veins and blood vessels through optical fibers to produce biological effects and treat patients, including equipment that treats ophthalmic, dental, and gynecological patients with various lasers.	05
1250	90181990	Respiratory function analyzer		05
1251	90181990	Intrapulmonary gas distribution function tester		05
1252	90181990	Positron emission body layer imaging device	PET for short, similar to CT, but more sophisticated.	05
1253	90181990	Bone densitometer	Non-X-ray principle.	05
1254	90181990	Renal function instrument	A medical diagnostic instrument that uses radioisotopes to check the function of the human kidney.	05
1255	90181990	Thyroid function instrument	A medical diagnostic instrument that uses radioisotopes to check the function of the thyroid gland in the human body.	05
1256	90181990	Cardiograph	A number of indicators used to measure heart function.	05
1257	90181990	Radioimmunoassay		05
1258	90181990	Single-photon emission body layer photography device	SPET for short, similar to CT, but more sophisticated.	05
1259	90181990	Pulse meter		05
1260	90181990	Tongue color instrument		05
1261	90181990	Medical radiation dosimeter	Standard monitoring instrument for determining dose distribution during radiotherapy.	05
1262	90181990	Radiation therapy planning system	It is composed of a PC, color display, camera, and image processing system, which is used to accurately design the dose, method and scheme of radiotherapy.	05
1263	90181990	Electrochemical oncology therapy device	Electrochemical principles are applied to treat tumors.	05
1264	90181990	Electronic endoscopy	An endoscope that uses a CCD element to transmit images.	05
1265	90181990	Video endoscopic surgical system	It is composed of monitor, endoscope, high-frequency electric knife, cold light source, pneumoperitoneum machine, etc., and is used for visceral surgery.	05
1266	90181990	Endoscopic image display system		05

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1269	90181990	Electrocardiogram dynamometer	For quantitative measurement of cardiac function.	05
1270	90181990	Evoked potentiometer	An instrument that measures the patient's brain potential with changes in sound, light, and other signal stimuli for diagnosis.	05
1271	90181990	Brainstem audiometer	An instrument that measures the patient's brainstem potential in response to the stimulation of the auditory nerve for diagnosis.	05
1272	90181990	Nystagmus electrograph	Used to measure ocular electrical signals.	05
1273	90181990	EEG diagnostic instruments		05
1274	90181990	Brain resistor		05
1275	90181990	Brain wave analyzer		05
1276	90181990	EEG real-time analysis recorder		05
1277	90181990	EMG machine	It is used to measure human electromyography.	05
1278	90181990	Gastrointestinal Current Grapher	It is used to measure human gastrointestinal electricity.	05
1279	90181990	Electromyographic biofeedback device		05
1280	90181990	Temperature biofeedback device		05
1281	90181990	Heart rate feedback device		05
1282	90181990	Impedance flow map	Measure human blood flow with impedance.	05
1283	90181990	Non-invasive cardiac output meter		05
1284	90182000	Medical infrared thermal imager	An instrument that analyzes and processes thermal imaging of different parts of the human body to diagnose inflammation, tumors, and other diseases.	05
1285	90182000	Infrared breast diagnostic device		05
1286	90183100	Self-destructing disposable syringes	It is composed of syringe jacket, core rod, piston, needle, self-destruct part, etc. Sterile, non-toxic, non-heat-inducing, self-destructing, with a force of 100N and a rate of 100mm/min, acting on the core rod, the self-destructing performance does not fail, and is clinically used for disposable injection.	04
1287	90183900	Medical catheters	It is used for percutaneous and non-percutaneous interventional diagnosis and treatment.	05
1288	90184910	Dental Integrated Treatment Machine		05
1289	90185000	Cataract phacoemulsifier		05
1290	90185000	High-frequency ophthalmic electrocoagulator		05
1291	90185000	Ophthalmic instruments and instruments		05
1292	90189020	Blood pressure measurement instruments and instruments		05
1293	90189030	Fiber Endoscopy	Endoscopes transmitted by optical fiber, including hysteroscopy, laparoscopy, arthroscopy, etc.	05
1294	90189030	Rigid endoscope	Endoscopes transmitted by optical lenses, including bronchoscopes, laryngoscopes, upper gastrointestinal endoscopes, lower gastrointestinal endoscopes, etc.	05
1295	90189040	Hemodialyzer	A key component of an artificial kidney used for kidney dialysis to filter toxins and harmful substances.	05
1296	90189040	Kidney dialysis equipment	Also known as artificial kidneys.	05
1297	90189050	Radiofrequency thermotherapy machine		05
1298	90189050	Diathermy equipment		05
1299	90189060	Hemoperfusion adsorbers	It is used to relieve drug poisoning in the human body.	05
1300	90189060	Membrane oxygenator	A key component of the heart-lung machine used to supplement oxygen to the blood circulated outside the body during surgery.	05

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		transfusion device	rate > 99.99%, used to filter out white blood cells in whole blood, platelets, plasma.	
1304	90189070	Anesthesia equipment		05
1305	90189090	Urine analyzer	The principle of ultra-high brightness cold light source test can be used to test a number of chemical components in urine.	05
1306	90189090	Medical laser diagnostic equipment	Equipment for diagnosing ophthalmological, dental, gynecological patients with various lasers.	05
1307	90189090	Helium-neon laser endovascular irradiation therapy device	Laser emitted by helium-neon lasers to treat related blood diseases.	05
1308	90189090	Implantable drug delivery pump	A drug delivery device implanted in the body.	05
1309	90189090	Aortic capsule repulsator	Treatment of cardiovascular-related diseases through the counterpulsation of the blood.	05
1310	90189090	Extracorporeal counterpulsation device	It is used to treat cardiovascular disease by pressurizing the limbs to return blood and improve myocardial hypoxia.	05
1311	90189090	Cardiac defibrillator	It is used for first aid in patients with ventricular fibrillation.	05
1312	90189090	Artificial heart-lung machine	It is used to replace the human heart and lungs for cardiopulmonary bypass during heart surgery.	05
1313	90189090	Extracorporeal shock wave lithotripter		05
1314	90189090	Cranial locator	During cranial surgery, the head is fixed to show the position accurately under X-rays.	05
1315	90189090	Infant incubator		05
1316	90189090	Electric craniotomy	Special equipment for craniotomy in brain surgery.	05
1317	90189090	Microwave scalpel	Microwave wavelength is 1cm-1m, and a variety of scalpel heads can be selected.	05
1318	90189090	millimeter wave therapy device	Millimeter wave wavelength is 1mm-1cm, which can be combined with other drugs and therapies for body therapy.	05
1319	90189090	RF scalpel		05
1320	90189090	Radiofrequency ablation therapy device	Use the radiofrequency effect to treat insufficient blood supply.	05
1321	90189090	Gastrointestinal therapy device	Simulate gastrointestinal bioelectrical information to promote gastrointestinal peristalsis for treatment.	05
1322	90189090	Traditional Chinese medicine acupuncture treatment device		05
1323	90189090	High-intensity focused ultrasound oncology treatment system		05
1324	90189090	CO2 laser therapy device	Small benchtop injection molding model, pistol laser output. The wavelength is 10.6μm, the power is continuously adjustable from 0.5 to 10W, and the focal spot diameter is 0.2mm, which is used for laser surgery, open surgical cutting, and carbonization and vaporization of lesions.	04
1325	90191090	Mental function test device		05
1326	90192000	Hyperbaric oxygen chamber	Used to treat patients with gas poisoning.	05
1327	90192000	Ventilator	It is used to maintain the patient's respiratory function.	05
1328	90211000	Orthopedic or fracture appliances		05
1329	90212100	Multi-layer synthetic resin teeth		05
1330	90213100	Artificial joints	Manufactured with medical biomaterials or surface-coated metal materials to replace human joints.	04
1331	90213900	Artificial ceramic parts	Fine ceramic parts that can be implanted into the human body.	05
1332	90213900	Artificial heart valves	Including biological valves and mechanical valves, which are used to replace the mitral valve, tricuspid valve, etc. of the human body.	05
1333	90213900	Artificial bone	Medical biomaterials, including hydroxyapatite, medical ceramics, etc.	05
1334	90213900	Carbon fiber artificial tendon		05

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1339	90213900	Composite prostheses		05
1340	90213900	Wound covering film	Artificial skin.	05
1341	90215000	Cardiac Generator	It is used in vivo and in vitro for pacing therapy in patients with abnormal heart rate.	05
1342	90219000	Porous ceramic sustained-release drug carriers	The drug release time can last for more than 5 days in porous ceramics.	05
1343	90221200	X-ray tomography	CT.	05
1344	90221300	Dental X-ray application equipment		05
1345	90221400.90	Mobile X-ray machine	It is equipped with a high-voltage inverter of more than 5kW.	05
1346	90221400.90	Medical X-ray enhanced television systems	X-ray TV system with image intensifier.	05
1347	90221400.90	X-ray angiography device		05
1348	90221400.90	X-ray gastrointestinal imaging device		05
1349	90221400.90	Radiation therapy simulator	It is used to accurately calibrate tumor location and estimate the volume of the target area, and formulate treatment plans.	05
1350	90221400.90	X-ray stereotactic radiosurgery treatment system	Also known as X-knife, it is used in X-ray stereotactic radiotherapy with medical linear accelerators.	05
1351	90221910	Low-dose X-ray safety inspection equipment		05
1352	90221990	Medical X-ray detectors	X-ray dose detection device for personal wear that can record measurement values.	05
1353	90221990	Bone densitometer	Bone density testing instrument using X-ray principle.	05
1354	90221990	X-ray large vehicles, container inspection systems	It is composed of linear accelerators, detectors and other components, and uses the X-rays emitted by linear accelerators to absorb different doses when penetrating different densities of substances, and the detector detects the corresponding signal, and the image of the inspected object is obtained by software analysis and processing, which is used for the detection of objects in vehicles and containers.	04
1355	90221990	Energy spectrometer	Electron optical instruments that apply the principle of X-rays.	04
1356	90221990	Portable X-ray Fluorescence Analyzer	For the analysis of metal composition.	04
1357	90221990	Portable X-ray NDT detector	For non-destructive testing of metal equipment.	04
1358	90221990	Isotope X-ray fluorescence analyzer		04
1359	90222100	Medical α , β , γ ray equipment	For surgical, dental or veterinary use.	05
1360	90222100	Digital γ cameras		04
1361	90222100	Radionuclide long-range treatment machine	Fixed, rotary, oscillating and intermittent irradiation is available for long-distance radiotherapy.	05
1362	90222100	Radionuclide remote control rear loading machine	Brachyirradiation, 8-18 channels, used for intraluminal and intertissue radiation therapy in tumor patients.	05
1363	90222100	γ radiostereotactic radiosurgery treatment system	Also known as γ knife, it uses γ rays (cobalt-60 as the source) for localization and irradiation to treat tumors.	05
1364	90222100	Radiation therapy equipment		05
1365	90222900	Radiation scanner	Instruments that utilize water models and detectors to measure and analyze dose distributions over the radiation range.	05
1366	90222900	Online Grade Analyzer	A rapid analyzer for the online detection of metal content in slurries using isotope radioactive sources.	04
1367	90222900	Industrial γ radiographic flaw detection equipment	For non-destructive testing of metal equipment.	04
1368	90223000	X-ray tubes	Key components of X-ray machines.	05
1369	90223000	Rotating anode X-ray tube	Key components of X-ray machines.	05

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1374	90229090	Catheter bed	Angiographic X-ray machine is used to perform cardiovascular, peripheral, neurovascular, and interventional radiological imaging of blood vessels.	05
1375	90229090	Non-destructive flaw detection electron accelerator	It is used for non-destructive testing of equipment in petroleum, aerospace, defense and other fields.	04
1376	90229090	X-ray high-frequency high-pressure generator	X-ray machine host (including high-frequency inverter power supply).	05
1377	90230000	Motor vehicle driving simulation trainer		01
1378	90230000	Ocean-going ship marine simulation trainer		01
1379	90241000	Metal material testing machine with data processing	Microcomputerized testing machine, automatic analysis, and printing out experimental data.	04
1380	90241000	High temperature flexural resistance tester		04
1381	90241000	High temperature creep testing machine		04
1382	90248000	Non-metallic material testing machine with data processing	Microcomputerized testing machine, automatic analysis, and printing out experimental data.	04
1383	90248000	Automatic electronic single yarn strength meter	The instrument that automatically measures the elongation and strength at break of yarn is better than $\leq \pm 0.5\%$ when it is 0-50 CN and better than $\leq \pm 1\%$ when it is 0-3000 CN.	04
1384	90248000	Capacitive strip dry uniformity meter	An instrument that uses the capacitance principle to determine the uniformity of yarn (filament).	04
1385	90248000	Automatic pavement material strength tester		04
1386	90248000	Automatic bending and sinking instrument		04
1387	90248000	Nuclear density and moisture content analyzer		04
1388	90251910	High-precision infrared thermometer	An instrument that uses infrared technology to determine temperature.	04
1389	90251910	High-precision digital thermometer	Digital thermometer.	04
1390	90261000	Fuel consumption meter		03
1391	90261000	Flow meter		04
1392	90261000	Electromagnetic flow meter	It is used to determine the flow rate of various conductive liquids or liquid-solid two-phase fluid media in pipelines.	04
1393	90261000	Vortex flow meter	It is used to determine the flow rate of liquids, gases, and dry saturated vapors.	04
1394	90261000	Mass flow meter	Used to determine the mass flow rate of liquids.	04
1395	90261000	Sewage flow meter		08
1396	90262010	Capacitive differential pressure transmitter	It is used to measure the pressure difference and flow rate of gases, liquids, and vapors.	04
1397	90262010.90	Downhole electronic manometer		08
1398	90262090	Vibrating cylinder pressure gauge		04
1399	90269000	Sapphire monocrystalline fiber optic high temperature sensor	Key components of the instrument.	04
1400	90271000	Fully automatic smoke meter	It is used to measure the smoke intensity of automobile exhaust and chimney gas.	04
1401	90271000	Automotive emission analyzers	An instrument that uses infrared technology to determine the composition of automobile exhaust gas.	04
1402	90271000	Sulfur dioxide analyzer	It is used for real-time monitoring, recording, and data storage of sulfur dioxide concentrations in the atmospheric environment.	08
1403	90271000	NOx analyzer	It is used for real-time monitoring, recording, and data storage of nitrogen oxide concentrations in the atmospheric environment.	08
1404	90271000	Carbon monoxide analyzer	It is used for real-time monitoring, recording, and data storage of carbon monoxide concentrations in the atmospheric environment.	08

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1407	90271000	size distribution analyzer	distribution and proportion of various particle sizes in total suspended particulate matter.	08
1408	90271000	Multifunctional dust meter		08
1409	90271000	Portable Dust Rapid Analyzer	It is used for the rapid determination of dust concentration in atmospheric and workshop environments.	08
1410	90271000	Flue gas pollutant tester	It is used for the quantitative determination of pollutant concentrations in flue gas pollution sources in the field.	08
1411	90271000	Exhaust gas meter for internal combustion engine	It is used for the quantitative determination of the concentration of certain pollutants (sulfur dioxide, nitrogen hydride, carbon monoxide, etc.) in the exhaust gas of internal combustion engines in situ.	08
1412	90271000	Gasoline motor vehicle emission monitor	It is used for the on-site quantitative determination of the concentration of certain pollutants (sulfur dioxide, nitrogen oxides, carbon monoxide, etc.) in gasoline motor vehicle emissions.	08
1413	90271000	Automatic monitoring system for flue gas pollution sources	It is used to quantitatively determine the concentration of pollutants in flue gas pollution sources on site, and can automatically store and transmit data.	08
1414	90271000	Flue gas pollutant rapid monitoring instrument	It is used for the rapid quantitative determination of pollutant concentrations in flue gas pollution sources on site.	08
1415	90271000	Hydrogen meter		08
1416	90271000	24-hour thermostatic automatic atmospheric sampler	It can automatically realize the gas collection process in the constant temperature state.	08
1417	90271000	Laser gas analyzer	It is composed of four parts: laser beam transmitter device, spectral signal receiving device, spectral signal acquisition and analysis processing device and GPPS network remote transmission wireless communication module, with analog and digital output interfaces. The accuracy $\pm 1\%$, the response time is < 1 second, and it is used for the detection of gas content and gas concentration.	04
1418	90271000	High-flow total suspended particulate matter sampler	It is used for sampling of total suspended particulate matter in the atmospheric environment.	08
1419	90271000	Impact respirable particulate matter sampler	Cyclone separation is used to realize the sampling of respirable particulate matter in the atmospheric environment, and the respirable particulate matter is automatically separated and collected.	08
1420	90271000	Automatic precipitation and dust reduction sampler	It can automatically collect rainwater samples and dust reduction samples, and precipitation and dust reduction are sampled at the same time.	08
1421	90271000	Predictive flow rate method particulate matter sampler	It is used for sampling of total suspended particulate matter in flue gas.	08
1422	90271000	Balanced particulate matter sampler	It is used for sampling of total suspended particulate matter in flue gas.	08
1423	90271000	Pito-tube parallel method particulate matter sampler	It is used for sampling of total suspended particulate matter in flue gas.	08
1424	90271000	Automatic dynamic pressure balance particulate matter sampler	It is used for sampling of total suspended particulate matter in flue gas.	08
1425	90272000	Chromatograph	Instruments for micro analysis using chromatography are used in petrochemical, biomedicine, environmental protection and other fields.	04
1426	90273000	spectrometers, spectrophotometers	An instrument that uses visible, ultraviolet, or infrared light as a light source to determine the composition of substances by analyzing the spectra of transmitted light.	04
1427	90273000	Atomic absorption spectrophotometer	Optoelectronic instruments for determining the structure of matter.	04

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		Items	Details	
1432	90278090	Thermal dilatometer	Used to determine the coefficient of thermal expansion of metals.	04
1433	90278090	Ironing sublimation color fastness meter		04
1434	90278090	Light is mostly used on the table	Fiber optic multi-use meters and intelligent optical power meters.	04
1435	90278090	Optical time domain reflection tester	With GPIB interface.	04
1436	90278090	Communication optical fiber optical wavelength measurement and testing system	Optical spectrum analyzer.	04
1437	90278090	Communication fiber optical dispersion measurement test system		04
1438	90278090	Whiteness color meter	Used to determine the whiteness of substances.	04
1439	90278090	Physical Properties Analysis Instruments	Used to determine the physical properties of substances.	04
1440	90278090	Ultrasonic density meter	An instrument that uses the principle of ultrasound to determine the concentration of substances.	04
1441	90278090	Intelligent calcium iron analyzer	Smart for calcium and iron analysis.	04
1442	90278090	Gold color instrument	Used to analyze the purity of gold.	04
1443	90278090	Surface Analysis Instruments	Instruments that analyze substances using chromatography.	04
1444	90278090	Rapid oil quality analyzer	Used to analyze the quality of the oil.	04
1445	90278090	Refractory testing equipment		04
1446	90279000	Columns	Key components of the chromatograph.	04
1447	90279000	Gallium melting point container	Devices for physical characteristics and instruments.	04
1448	90279000	Silver dot seal container	Devices for physical characteristics and instruments.	04
1449	90279000	Lead point seal container	Devices for physical characteristics and instruments.	04
1450	90279000	Argon three-phase spot sealed container	Devices for physical characteristics and instruments.	04
1451	90279000	Mercury three-phase point sealed container	Devices for physical characteristics and instruments.	04
1452	90279000	Water three-phase dot bottle	Devices for physical characteristics and instruments.	04
1453	90279000	Copper dot black body cavity	Devices for physical characteristics and instruments.	04
1454	90279000	Silver dot black body cavity	Devices for physical characteristics and instruments.	04
1455	90279000	Lead dot black body cavity	Devices for physical characteristics and instruments.	04
1456	90279000	Pathology Microtome	For pathological or other sections of animal and plant tissues, the slice spacing is $\leq 1\mu\text{m}$, and the slice thickness is $< 20\mu\text{m}$.	05
1457	90279000	Scope microtome		05
1458	90281010	IC card gas meter		04
1459	90283010	Restore the rate of electricity meter	According to the time period, peak and valley electricity prices can be automatically measured at different rates.	04
1460	90283010	All-electronic electricity meter	There is no mechanical part and all electronic electricity meters.	04
1461	90283090	Intelligent Electrical Parameter Meter	Intelligent tester for measuring electrical parameters.	04
1462	90292090	Speedometer, tachometer and vehicle meter		04
1463	90301000	New radiation instruments and indoor verification equipment	Used to monitor radiation intensity in the room.	04
1464	90301000	Radiation dose monitor for environmental and radiation sites	It is used to quantify the dose of radioactive material.	08

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1469	90303110	Digital multimeter	Five and a half digits and below.	04
1470	90303910	Digital ammeter	Five and a half digits and below.	04
1471	90303910	Digital voltmeter	Five and a half digits and below.	04
1472	90303910	Digital RF millivolt meter		04
1473	90303920	Resistance Tester		04
1474	90303990	Spectrum analyzer		04
1475	90303990	Power meter		04
1476	90303990	Automatic cross-ratio tester	Used as a current ratio standard (automatic AC/DC comparator).	04
1477	90303990	High-voltage switching and braking characteristics tester	Used to test high-voltage switching characteristics.	04
1478	90303990	Power transformer winding characteristic tester	Used to test the winding characteristics of power transformers.	04
1479	90303990	High-density resistivity meter		08
1480	90303990	Multifunctional excitation meter	Used to measure polarized electric field potentials.	08
1481	90303990	Electronic automatic compensation instrument		08
1482	90303990	Multifunctional DC meter		08
1483	90303990	Underground digital direct current method		08
1484	90303990	Transmission line fault distance tester		04
1485	90303990	Substation insulation online monitoring device		04
1486	90303990	High-voltage overhead line fault detector		04
1487	90304010	Digital frequency meter	< 12.4kHz.	04
1488	90304090	Frequency phase measuring instrument	Frequency, time, and phase measurement instruments and systems with GPIB interface or VXI bus for radio communication.	04
1489	90304090	Instruments and devices for radio communication	Used for radio communications.	04
1490	90304090	Distortion gauge	Used for radio communications.	04
1491	90308200	Semiconductor component detector		04
1492	90308200	Charge coupler characteristic parameter test system	Charge couplers are also known as CCDs.	04
1493	90308310	Inductance capacitance tester	With recording device.	01
1494	90308390	Bit error test and analyzer	SDH/PDH bit error test and analyzer with recording device.	04
1495	90308390	Bit error and phase shake test analyzer	There is a recording device.	04
1496	90308390	Synchronous Series Transmission System Analyzer	There is a recording device.	04
1497	90308390	Cable fault tester	Digital and intelligent, with recording devices.	04
1498	90308390	Cable anti-theft detector	There is a recording device.	04
1499	90308390	Integrated circuit parameter measuring instrument	Medium and large-scale integrated circuits (digital, analog, digital-analog mixed) parameter measurement instruments and systems with recording devices.	04
1500	90308990	Frame Relay Tester		04
1501	90308990	Wireless mobile radio comprehensive tester	Including signal generator, power machine, frequency counter, distortion meter, etc.	04
1502	90308990	Communication network tester		04
1503	90308990	Wireless pager detector		04
1504	90308990	Communication electric field strength tester		04
1505	90308990	Telephone tester		04
1506	90308990	Send the receiver tester		04
1507	90308990	Automated scalar network analyzer		04
1508	90308990	RF vector network analyzer		04

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1512	90308990	video analysis tester		04
1513	90308990	Audio analysis tester		04
1514	90308990	Household appliance safety performance test bench		04
1515	90311000	Vibration monitoring and analysis and dynamic balancing machine		04
1516	90312000	Simulation Turntable		04
1517	90314100	The number of raster data is displayed	Four and a half digits or more, including a raster ruler.	04
1518	90314100	Optical inspection instruments for semiconductor devices	It is used to inspect semiconductor wafers, masks, and gratings during semiconductor device fabrication.	04
1519	90314900.90	Grating precision measurement system	It is used to measure the optical characteristics of the detector, such as spectral sensitivity and grating diffraction efficiency.	04
1520	90318010	Optical cable mechanical property testing machine		04
1521	90318010	Optical fiber communication and optical fiber performance tester		04
1522	90318020	CMM	It is used to quickly detect the size, geometry, and position status of the machined workpiece.	04
1523	90318090	Microacoustic life detection equipment		08
1524	90318090	Dedicated micro-chromatography system for reforming	An important component of the chromatograph.	04
1525	90318090	Medium and high pressure micro-chromatography systems	An important component of the chromatograph.	04
1526	90318090	Thermomass meter	An instrument for determining the calorific value of a substance.	04
1527	90318090	Thermal analysis balance	For thermal parameter measurement.	04
1528	90318090	Enzyme-labeled immunoassay analyzer	Equipped with a variety of enzyme kits, it can perform enzyme-linked adsorption tests, biochemical tests, and hepatitis, venereal diseases, and AIDS tests.	05
1529	90318090	Electrolyte analyzer	It is used to determine the concentration of K ⁺ , Na ⁺ , Ca ⁺ , and Cl ⁻ in human body fluids (blood, urine, sweat).	05
1530	90318090	Transcutaneous bilirubin analyzer	Minimally invasive, used to determine bilirubin in the blood.	05
1531	90318090	Oxygen saturation analyzer	Used to measure oxygen saturation in the blood in vitro.	05
1532	90318090	Blood gas analyzer	Used to detect the pH level of whole blood, including PO ₂ , PCO ₂ , and pH.	05
1533	90318090	Blood fibrin analyzer		05
1534	90318090	Total organic carbon analyzer	TOC.	08
1535	90318090	Light scattering and light penetrating turbidity meters		08
1536	90318090	Dissolved oxygen analyzer		08
1537	90318090	Biochemical oxygen consumption meter		08
1538	90318090	Chemical oxygen consumption meter		08
1539	90318090	Oil content analyzer		08
1540	90318090	Cold Atom Mercury Meter	It is used to determine the content of mercury in water, atmosphere, soil, plants and animals.	08
1541	90318090	Electrode fluorine analyzer	It is used to determine the content of fluorine in water, atmosphere, soil, plants and animals.	08
1542	90318090	Chloride ion monitoring instrument	It is used to determine the concentration of chloride ions in water.	08
1543	90318090	Digital integral precision sound level meter	It is used for the quantitative determination of noise values in the field.	08

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1547	90318090	Loose sandstone core physical parameter analyzer		08
1548	90318090	Infrared life detection equipment		08
1549	90318090.90	Extra-long range horizontal and vertical displacement meters		04
1550	90318090.90	Digital dispersion analyzer		04
1551	90318090.90	Mobile ultrasonic flaw detector	It is used for workpiece flaw detection in aviation, railway, and machinery manufacturing industries.	04
1552	90318090.90	Level instrumentation		04
1553	90318090.90	Capacitive level controller	It is used for level monitoring and control in petroleum, chemical, electric power, metallurgy, food and other industries.	04
1554	90318090.90	Ultrasonic controllers and level meters	An instrument that uses the principle of ultrasonic to control and measure the object level.	04
1555	90318090.90	Nuclear radiation level meter	A level measuring meter that applies the principle of nuclear radiation.	04
1556	90318090.90	Electronic digital display measuring instrument	It is used to measure the size and geometry of the workpiece, and uses digital display, including electronic digital calipers, electronic digital indicator dial indicators (dial indicators), electronic digital micrometers and electronic digital display measuring instruments.	04
1557	90318090.90	μ micro-displacement measuring instrument		04
1558	90318090.90	Digital roundness	Micro model roundness measuring instrument.	04
1559	90318090.90	Speed tracking vibration test system	Used to measure the vibration of objects.	04
1560	90318090.90	Inductive micrometer	The value of the μm scale was determined by the principle of electromagnetic induction.	04
1561	90318090.90	Ultrasonic logistics (coal flow) detector	A detector that uses the principle of ultrasonic to measure logistics.	04
1562	90318090.90	Horizontal CMM	It is used to measure spiral errors and tooth shape errors of hobs, gears, gear shapers, screw brazes, etc.	04
1563	90318090.90	Overall gear error measuring instrument		04
1564	90318090.90	Inertial Navigation Test Equipment		04
1565	90318090.90	Laser vibrometer	A vibrometer that uses laser technology to measure.	04
1566	90318090.90	Laser velocimeter	A tachymeter that uses laser technology to measure.	04
1567	90318090.90	Laser particulate analyzer	For the analysis of material particles.	04
1568	90318090.90	Intelligent coating thickness gauge		04
1569	90318090.90	Ultrasonic flaw detector		04
1570	90318090.90	Barcode printed product detector		04
1571	90318090.90	Concrete absolute stress detection device		04
1572	90318090.90	Rebar protective layer tester		04
1573	90318090.90	Rebar corrosion measuring instrument		04
1574	90318090.90	Concrete no damage detection equipment		04
1575	90318090.90	Mechanical dynamic testing and failure analysis system		04
1576	90318090.90	Intelligent bridge deflection tester		04
1577	90318090.90	Railway track dynamic detector		04
1578	90318090.90	Rebar scanner		04
1579	90318090.90	Laser parameter measuring instrument	It is used to measure parameters such as power, energy, and beam quality of the laser.	04

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1582	90328100	actuator	power to control the displacement of large control valves and is used in industrial automation.	04
1583	90328900.90	Electrically adjust or control instruments and devices		04
1584	90328900.90	Adaptive regulator	It can automatically adjust the gas and liquid flow.	04
1585	90328900.90	On-line detection, diagnosis and protection device	It is composed of various sensors and actuators.	04
1586	90328900.90	Automotive automatic transmission electronic control unit	It consists of an 8-bit microprocessor, an 8-bit digital-to-analog converter, a CAN bus, EEPROM and EPROM chips.	04
1587	90330000	Pyroelectric infrared sensor	Key components of instrumentation.	04
1588	94011000	Helicopter resistant to drop seats		03
1589	94029000	Electronically controlled carbon fiber operating table	It is made of carbon fiber composite material with low X-ray absorption and is made by a high-temperature and high-pressure monolithic molding process. The back plate of the bed is metal-free, with a head and foot inclination angle of $-22^{\circ}+22^{\circ}$, a roll angle of $-21^{\circ}+21^{\circ}$, a folding angle of $-18^{\circ}+18^{\circ}$, and a total X-ray attenuation of ≤ 0.43 , which is used to adjust the patient's position.	04
1590	95063900	Titanium golf club head		06
1591	95073000	Aluminum alloy precision die forging reel	After the reel is finished, the surface is anodized, which is wear-resistant, collision-resistant, tough, corrosion-resistant, uniform and bright on the surface, and has high strength, and is used to match medium and high-end fishing gear.	06
1592	96082000	Valve pen	It adopts a sealed water storage valve structure, high ink utilization rate, sun resistance $\geq 24h$, dryness $\leq 30s$, and intermittent writing $\geq 4h$.	08
1593	98030010	System software	The basic layer software of the operating environment and platform of computer systems or other digital computing devices.	02
1594	98030020	Support software	Between system software and application software, software that provides auxiliary functions such as application software design, development, testing, evaluation, and operation detection sometimes exists in the form of middleware.	02
1595	98030020	Embedded browser	Support HTML3.2, support BMP, JPEG, GIF image formats, support web browsing, have editing functions, and support English and Chinese encoding formats.	02
1596	98030030	Application software	Software for applications in various sectors and industries.	02
1597	98030030	PAS-UCC customer service system	It integrates CTI, large database, large wide area network, computer voice/fax, middleware and other technologies, and is used in call centers, customer service centers, etc. in telecommunications, finance, civil aviation, electric power and other industries.	02
1598	98030030	Geographic Information System Software	GIS software for short, providing functions such as spatial data management, data collection, and geospatial information release. There are 8 components, 121 objects, 2,000 interfaces, terabyte-level spatial data management and processing, used in surveying and mapping, water conservancy, public security, transportation, military and other fields.	02
1599	98030030	Intelligent graphics image processing software	It supports Chinese simplified, traditional and English, with a response speed of 15s, and is used to complete data entry, image and text conversion, data file import and export, data file retrieval, proofreading, and intelligent automatic recognition.	02
1600	98030030	Raster image processor software	The images, graphics and text in the computer-made layout are converted into bit matrix information that can be recognized by printers or phototypesets, and then the dot matrix	02

1001	XXXXXXXXXX	PRIOR SOFTWARE		76
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