

ITALIA



Italian Trade Commission

意大利对外贸易委员会
政府机构



**IL MERCATO CINESE
DEI PRODOTTI CHIMICI
MARKET REPORT 2009**

CHINESE MARKET OF CHEMICAL PRODUCTS

1. Introduction

The pharmaceutical industry is called the "eternal sunrise industry", mainly because of its sustained growth in market demand. The main factors driving this growth include economic growth, improved public awareness of healthcare, the aging population, urbanization and health system reform, which have greatly promoted the ability and willingness of medical consumption. According to the forecasts of IMS, China will become the seventh largest pharmaceutical market in the world in 2009 and will jump to the second largest one with a market capacity of US\$220 billion after the U.S.A. in 2020.

The chemical pharmaceuticals industry is the largest sub-sector of Chinese pharmaceuticals industry. In 2008, the sales revenues of Chinese chemical raw material medicines were 26.5 billion USD and the sales revenues of the chemical preparation industry were 3.34 billion USD, with the average growth rate all exceeding 20%. In 2008, China produced 2.2853 million tons chemical raw material medicines accumulatively, YOY up by 0.85% with the growth rate down by 15.05% compared with the same period of last year.

Because of the rigid demands for the pharmaceuticals, the influences of the international financial crisis on the pharmaceuticals industry were limited. In 2008, the export amounts of Chinese raw material medicines totaled 18 billion USD. From the aspect of the export volumes of the raw material medicines, the previous leading mass raw material medicines have been the major export variety in the international market so far. Because of the price advantage of the raw material medicines in the international market, it is predicted that the exports of Chinese raw material medicines will hold the line in 2009 to 2010.

On 17th October, 2008, State Food and Drug Administration carried out the license systems on 9 exported medicines officially for the first time, among which the raw material medicines occupied the most parts, including atorvastatin, gentamicin, sildenafil and sodium heparin which were involved in the Sino-American trade negotiation.

Antibiotics are the major export product in Chinese pharmaceuticals industry, including Penicillin-G, gentamicin, tetracycline tablets, doxycycline, oxytetracycline and fluoroquinolone antibiotics. The old products, such as tetracycline tablets, oxytetracycline, gentamicin (doxycycline α) and oxytetracycline, had produced few or stopped producing in the foreign countries. Therefore, there is a steady overseas market for the raw material medicines.

In 2008, the export volumes of the Penicillin-G totaled 12 thousand tons, holding the line compared with 2007, but the average export price was increased. In 2009, with the influences of the grain price growth, the production costs were increased.

2. Import and Export Analysis

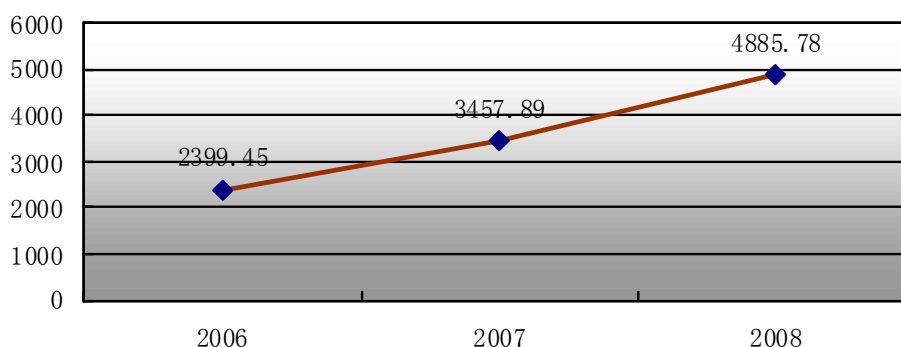
2.1 China Import from World by countries

Millions of US Dollars

Rank	Country	January - December			% Share			%Change
		2006	2007	2008	2006	2007	2008	- 08/07 -
0	--World--	2399.45	3457.89	4885.78	100	100	100	41.29
1	Germany	327.26	566.82	866.90	13.64	16.39	17.74	52.94
2	United States	312.68	520.92	646.56	13.03	15.07	13.23	24.12
3	France	242.42	319.35	486.72	10.1	9.24	9.96	52.41
4	United Kingdom	202.13	305.05	377.39	8.42	8.82	7.72	23.72
5	Switzerland	190.21	264.10	361.24	7.93	7.64	7.39	36.78
6	Italy	163.67	179.92	324.37	6.82	5.2	6.64	80.28
7	Hong Kong	180.72	214.03	254.94	7.53	6.19	5.22	19.11
8	Japan	151.87	202.74	252.35	6.33	5.86	5.17	24.47
9	Belgium	86.49	133.51	221.09	3.61	3.86	4.53	65.6
10	Denmark	50.30	138.26	191.54	2.1	4	3.92	38.54

ICE-based on World Trade Atlas data

China's import of pharmaceutical ingredients and intermediate 2006 – 2008 (Unit: million USD)



ICE-based on World Trade Atlas data

China import of pharmaceutical industry has a stable increase from 2006 to 2008. The import turnover reached USD **4885.78** million in 2008 with a **+41.29%** increase compared to the previous year.

Italy import of pharmaceutical industry ranks the **6th** position as the supplier countries to China. It has **6.64%** market share in 2008 with the biggest increase **+80.28%** compare to the first 10 supplier countries from 2007 to 2008.

2.1.1 China Import of pharmaceutical products from World by HS Code

Millions of US Dollars

HS	Description	January - December			% Share			%Change
		2006	2007	2008	2006	2007	2008	- 08/07
	--World--	2399.45	3457.89	4885.78	100	100	100	41.29
3001	Gland;Heparin;Ot Subs	0.06	0.00	0.52	0	0	0.01	0
3002	Blood;Vaccine;Antisra	222.65	344.28	558.09	9.28	9.96	11.42	62.11
3004	Oth Medicament,Dosage	1923.75	2764.84	3971.97	80.18	79.96	81.3	43.66
3006	Pharm Gds In4 To Ch30	93.63	121.95	153.14	3.9	3.53	3.13	25.58
3005	Bandages	23.49	25.85	31.78	0.98	0.75	0.65	22.93
3003	O Medicament,N Dosage	135.87	200.96	170.27	5.66	5.81	3.49	-15.27

ICE-based on World Trade Atlas data

The product "Blood; Vaccine; Antisra" (HS Code: 3002) has the biggest increase **+62.11%** compare to the other products in China import of pharmaceutical industry from 2007 to 2008.

In this category, the product "Vaccines for Humans" (HS Code: 300220) achieved about USD **185** million in 2008 with the biggest increase **+72.25%** compare to 2007.

But the product "Other Medicament, Dosage" (HS Code: 3004) is still have the biggest market share **81.3%** in China import of pharmaceutical industry.

In this category, the product "Vitamins" (HS Code: 300450) reached about USD **101** million in 2008 with the biggest increase **+ 143.66%** compare to the previous year.

2.1.2 China's import of pharmaceutical products from Italy by HS Code

Millions of US Dollars

HS	Description	January - December			% Share			% Change 08/07
		2006	2007	2008	2006	2007	2008	
	Italy	163.67	179.92	324.37	6.82	5.2	6.64	80.28
3004	Oth Medicament, Dosage	146.42	163.32	303.55	89.46	90.77	93.58	85.86
3002	Blood;Vaccine;Antisra	8.77	12.27	13.66	5.36	6.82	4.21	11.32
3003	O Medicament,N Dosage	4.44	3.06	5.11	2.71	1.7	1.58	67.13

3006	Pharm Gds In4 To Ch30	3.93	1.05	1.66	2.4	0.58	0.51	57.91
3005	Bandages	0.11	0.22	0.39	0.07	0.12	0.12	75.74
3001	Gland;Heparin;Ot Subs	0.00	0.00	0.00	0	0	0	0

ICE-based on World Trade Atlas data

The product "Other Medicament, Dosage" (HS Code: 3004) achieved USD **303.55** million in 2008 with **93.58%** market share and the biggest increase **+85.86%** compare to the other products from 2007 to 2008.

In this category, the product "Penicillin, Streptomy" (HS Code: 300410) achieved close to USD **1.8** million in 2008 with **0.58%** market share and the biggest increase **+1192%** compare to the other products from 2007 to 2008.

The product "Other medicaments put up in measured doses or in forms or packings for retail sale" (HS Code: 300490) achieved USD **156** million and still have the biggest market share **51.64%** in 2008.

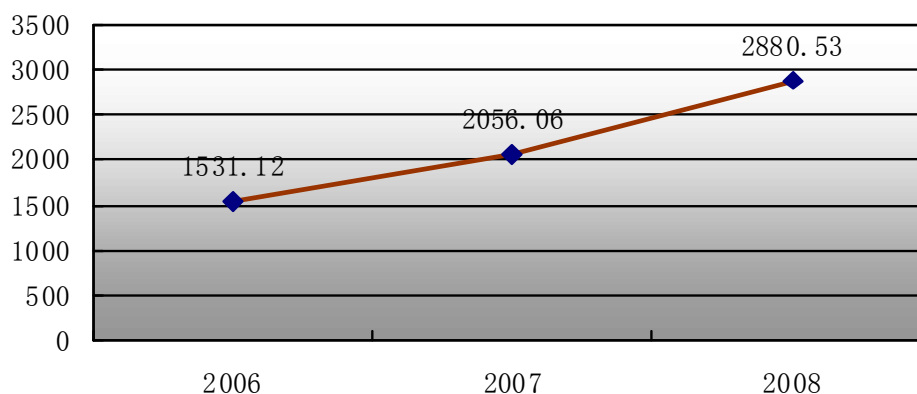
2.2 China Export to World by countries

Millions of US Dollars

Rank	Country	January - December			% Share			%Change
		2006	2007	2008	2006	2007	2008	- 08/07 -
0	--World--	1531.12	2056.06	2880.53	100	100	100	40.1
1	United States	289.83	403.74	660.34	18.93	19.64	22.92	63.56
2	Japan	177.05	199.50	166.43	11.56	9.7	5.78	-16.58
3	Germany	89.45	116.92	163.48	5.84	5.69	5.68	39.82
4	Korea, South	40.50	111.75	144.59	2.65	5.44	5.02	29.38
5	Hong Kong	112.00	132.16	143.69	7.32	6.43	4.99	8.73
6	India	29.52	36.13	73.04	1.93	1.76	2.54	102.15
7	Italy	36.78	50.57	71.41	2.4	2.46	2.48	41.22
8	France	43.80	43.36	64.99	2.86	2.11	2.26	49.89
9	United Kingdom	32.20	43.76	63.28	2.1	2.13	2.2	44.6
10	Nigeria	30.90	39.95	59.29	2.02	1.94	2.06	48.41

ICE-based on World Trade Atlas data

China's export of pharmaceutical ingredients and intermediate 2006 - 2008 (Unit: million USD)



ICE-based on World Trade Atlas data

China export of pharmaceutical industry has a stable increase from 2006 to 2008. The import turnover reached USD **2880.53** million in 2008 with a **+40.1%** increase compared to the previous year.

Italy export of pharmaceutical industry ranks the 7th position as the demand countries to China. It has **2.48%** market share in 2008 with the increase **+41.22%** from 2007 to 2008.

2.2.2 China's export of pharmaceutical products from Italy

Millions of US Dollars

HS	Description	January - December			% Share			%Change
		2006	2007	2008	2006	2007	2008	- 08/07
	Italy	36.78	50.57	71.41	2.4	2.46	2.48	41.22
3004	Bandages	22.48	31.00	41.74	61.13	61.3	58.45	34.66
3002	Gland;Heparin;Ot Subs	13.73	18.68	22.99	37.33	36.93	32.19	23.1
3003	O Medicament,N Dosage	0.05	0.29	5.20	0.13	0.58	7.29	1673.69
3006	Oth Medicament,Dosage	0.33	0.35	1.05	0.89	0.7	1.47	199.28
3005	Pharm Gds In4 To Ch30	0.19	0.25	0.42	0.52	0.49	0.6	70.01
3001	Blood;Vaccine;Antisra	0.00	0.00	0.00	0	0	0	0

ICE-based on World Trade Atlas data

The products "Penicillin"(HS Code: 3003) achieved USD **5.2** million in 2008 with **7.29%** market share and the biggest increase **+1673.69%** compare to the other products from 2007 to 2008.

The products "bandages" (HS Code: 3004) achieved the biggest turnover as USD **41.74** million in 2008 with **58.45%** market share and an increase **+34.66%** compare to other products from 2007 to 2008.

3. Summary

Therefore, the major international manufacturers of semi-compound Penicillin-G will probably accelerate the import volumes of Chinese Penicillin-G.

According to the statistics, the accumulative export volumes of various tetracycline raw material medicines were 14 thousand tons in 2008 in China, exceeding the Penicillin-G in volume and standing the largest export raw material medicine variety in China. With the gradual discovery of the new uses of the tetracycline and the derivatives in the international pharmaceuticals field, the tetracycline antibiotics will not come to an end with the spring-up of the cefa-antibiotics just like what people predict. Conversely, the tetracycline and the derivatives will take certain place tightly in the international pharmaceuticals market (the tetracycline antibiotics are also can be used as the additives of the animal feed stuffs, there is large demands in the international market). It is predicted that the tetracycline will be one of the major export raw material medicine varieties in the next several years, with the export volumes exceeding ten thousand tons.

Cephalosporin is the leading antibiotics in the international pharmaceuticals market. At present, the best-sellers conclude 20 varieties, 80% of which can be produced in China. In 2008, China totally exported about 500 tons, in which ceftriaxone sodium accounted for 40%. A new export characteristic of Chinese cephalosporin is the export growth of the cefaclor. From the part of the cost performance ratio, cefaclor is the commendable common antibiotics in the clinical experiments, meanwhile, the domestic producing technologies have been mature and many technology indicators have few differences with the international advanced level. In consideration of the work force and cost advantages, many overseas manufacturers set up the cephalosporin production bases in China and produced the export cephalosporin raw material products.

Anti-tumor antibiotics is also the major export raw material medicines, whose variety is few only including adriamycin and epirubicin produced and exported by Zhejiang Hisun Pharmaceutical Co., Ltd. At present, the annual yields were about 10 tons with the export volumes accounting for 80% of the yields and mainly exported to the developed countries. Chinese anti-tumor antibiotics occupy the dominate position in the international market.

Erythromycin antibiotics have a big family with more than 20 varieties. The export history of Chinese Erythromycin raw material medicines has been more than 30 years, in which the Erythromycin Thiocyanate takes the largest export volumes. In 2008, the export volumes reached to 3 thousand tons. However, Clarithromycin, Azithromycin and roxithromycin, three leading raw material medicines of Erythromycin, exported fewer.

Gatifloxacin antibiotics have more than 20 varieties and belong to the big family types of the antibiotics. China can produce 80% of the Gatifloxacin raw material medicines in the international market. In 2008, the export volumes totaled between 3.5 to 4 thousand tons.

China is the biggest producing and exporting country of the antipyretic analgesic products, the three largest export products including aspirin, paracetamol and Ibuprofen as well as Naproxen Sodium, Diclofenic Sodium and Analgin DAB. The respective export volumes of paracetamol, aspirin and Ibuprofen were 48.9 thousand tons, 30 thousand tons and 10 thousand tons in 2008. Because of the low prices, many countries including Europe and India put forward anti-dumping accusation of Chinese mass export antipyretic analgesic products, making Chinese export enterprises in the passive position.

The export volumes of Chinese vitamin raw material medicines were about 150 to 170 thousand tons in 2008 even though the influences of international financial crisis.

Due to the advantages in the VC synthetic technologies, in 2008, China totally exported more than 80-thousand-ton VC, up by 10% as well as the growth in the average export price. Other mass export vitamin raw material medicines, including 13-thousand-ton VE, B1, B2 and B6 etc, totaled 10 to 20 thousand tons in a year. The major traditional export destination of Chinese vitamins was the developed countries, such as America, Germany and Japan. In recent years, the exports to the Southeast Asia were also increased.

The hot vitamin varieties in the international market were as follows: first, the natural vitamin E which was extracted from the vegetable oil trash, the demands exceeding the supplies for a long time in the international market. It was understood that the export volumes of the natural vitamin E in Zhejiang had been to 5 hundred tons with the export price 60% higher than the compound VE; second, the vitamin H which had been discovered with the new use of health care, for example, it could be processed into hypoglycemic compound agent together with chromium preparation. Therefore, the export would be increased. The export volumes of Chinese vitamin H accounted for 45% in the international market.

The export medicines against the cardiovascular disease can be divided into two parts: one is the depressor and the other is anti-lipemic agents. The statistics showed that the growth rate of the depressor and anti-lipemic agents was increased greatly, especially the best-sellers of statins, prils and sartans, which had been the major export raw material medicines against the cardiovascular disease in the international market.

China's import of pharmaceutical ingredients and intermediate divided by products 2006 – 2008

Millions of US Dollars

HS Code	Description				% Share			% Change
		2006	2007	2008	2006	2007	2008	- 08/07 -
	--World--	1769.61	2305.1	2390.47	100	100	100	3.7
28121010	Sulphocides Chloride	0.68	0.86	1.50	0.04	0.04	0.06	74.45
28251010	Hydrazine Hydrate	7.22	4.9	1.93	0.41	0.21	0.08	-60.62
29054300	Mannitol	1.19	2.1	2.52	0.07	0.09	0.11	20.21
290544	D-Glucitol (Sorbitol)	2.21	1.64	7.98	0.13	0.07	0.33	385.91
290545	Glycerol	39.03	60.32	58.15	2.21	2.62	2.43	-3.6
29061100	Menthol	65.68	149.32	116.40	3.71	6.48	4.87	-22.05
29061320	Inositols	0.3	0.3	0.40	0.02	0.01	0.02	31.15
29141100	Acetone	275.5	426.6	354.65	15.57	18.51	14.84	-16.87
291421	Camphor (2-Camphanone)	0.33	0.13	0.05	0.02	0.01	0	-59.04
29163920	Brufen (Ibuprofen)	0.008	0.02	0.14	0	0	0.01	462.86
29171110	Oxalic Acid	0.8	1.04	0.83	0.05	0.05	0.04	-19.8
291811	Lactic Acid, Its Salts And Esters	8.14	8.58	10.40	0.46	0.37	0.44	21.22
291812	Tartaric Acid	0.61	0.62	0.76	0.03	0.03	0.03	22.07
291813	Salts And Esters Of Tartaric Acid	2.13	2.19	1.66	0.12	0.1	0.07	-24.27
291814	Citric Acid	1.92	1.52	1.61	0.11	0.07	0.07	6.18
291815	Salts And Esters Of Citric Acid	7.75	9.76	11.74	0.44	0.42	0.49	20.18
291816	Gluconic Acid, Its Salts And Esters	0.9	0.89	0.59	0.05	0.04	0.03	-33.8
291817	Phenylglycolic Acid Its Salts And Esters	0	0	0.00	0	0	0	0
29182110	Salicylic Acid And Sodium Salicylate	2.1	1.54	0.81	0.12	0.07	0.03	-47.21
29182210	O-Acetylsalicylic Acid	0.01	0.01	0.00	0	0	0	-72.56

291823	Esters Of Salicylic Acid And Its Salts Nesoi	2.4	3.81	4.66	0.14	0.17	0.2	22.42
29224110	Lysine	1.19	2.02	2.26	0.07	0.09	0.09	11.9
29224190	Lysine Esters & Salts	29.23	21.95	33.67	1.65	0.95	1.41	53.36
29224310	Anthranilic Acid	0	0	0.00	0	0	0	0
29224991	Procaine	0	0.0053	0.03	0	0	0	554.3
292310	Choline And Its Salts	20.06	19.15	13.41	1.13	0.83	0.56	-30.01
292320	Lecithins And Other Phosphoaminolipids	22.45	31.82	44.72	1.27	1.38	1.87	40.55
29242920	P-Acetaminophenol	0.1	0.1	0.12	0.01	0	0.01	16.05
292511	Saccharin And Its Salts	0.18	0.27	2.30	0.01	0.01	0.1	750.74
29299010	Sodium Cyclamate	0.01	0.01	0.04	0	0	0	423.83
293010	Dithiocarbonates (Xanthates)	0.03	0	0.00	0	0	0	0
293040	Methionine	176.48	229.15	372.72	9.97	9.94	15.59	62.65
29309010	Cystine	0.19	0.39	0.97	0.01	0.02	0.04	145.94
293211	Tetrahydrofuran	102.5	52.35	50.68	5.79	2.27	2.12	-3.19
293212	2-Furaldehyde (Furfuraldehyde)	0.02	0.0006	0.02	0	0	0	3810.52
293213	Furfuryl Alcohol And Tetrahydrofurfuryl Alcohol	0.08	0.09	0.27	0.01	0	0.01	202.64
293293	Piperonal (Heliotropin)	0	0	0.00	0	0	0	0
29329910	Furan Phenol	13.26	10.29	3.69	0.75	0.45	0.15	-64.15
293331	Pyridine And Its Salts	48.76	93.47	110.38	2.76	4.06	4.62	18.09
29333210	Piperidine	4.27	6.17	8.17	0.24	0.27	0.34	32.41
29333220	Salts Of Piperidine	0.35	1.08	0.77	0.02	0.05	0.03	-28.24
29334010	Ciprofloxacin	0	0	0.00	0	0	0	0
293371	6-Hexanelactam (Epsilon-Caprolactam)	884.74	1100.97	1084.27	50	47.76	45.36	-1.52
29349020	Furazolidone	0	0	0.00	0	0	0	0
29350010	Sulfadiazine	0.06	0.03	0.04	0	0	0	27.95
29350020	Sulfadimidine	0.001	0.01	0.00	0	0	0	-39.84
330113	Essential Citrus Fruit Oils Of Lemon	14.98	21.82	30.97	0.85	0.95	1.3	41.91
330121	Essential Oils Of Geranium	0.22	0	0.00	0.01	0	0	0

330124	Essential Oils Of Peppermint (Mentha Piperita)	2.95	3.87	5.39	0.17	0.17	0.23	39.03
33012910	Essential Oils Of Camphor	0.0005	0.0004	0.00	0	0	0	493.37
33012920	Essential Oils Of Citronella	0.4	0.66	0.53	0.02	0.03	0.02	-18.52
33012930	Essential Oils Of Aniseed	0.13	0.04	0.06	0.01	0	0	46.53
33012940	Essential Oils Of Cassia	0.22	0.13	0.14	0.01	0.01	0.01	15.01
33012950	Essential Oils Of Litsea Cubeba	0.01	0.02	0.02	0	0	0	-0.23
33012960	Essential Oils Of Eucalyptus	0.16	0.16	0.22	0.01	0.01	0.01	40.88
350110	Casein	7.43	12.99	25.86	0.42	0.56	1.08	99.02
35030010	Gelatin & Derivatives	14.33	11.54	11.29	0.81	0.5	0.47	-2.11
35030090	Isinglass; Other Glues Of Animal Origin	0.8	1.82	1.95	0.05	0.08	0.08	6.97
35040010	Peptones & Derivatives	5.11	6.55	8.71	0.29	0.28	0.36	32.93

ICE-based on World Trade Atlas data

China's export of pharmaceutical ingredients and intermediate divided by products 2006 – 2008

Millions of US Dollars

HS	Description				% Share			% Change
		2006	2007	2008	2006	2007	2008	- 08/07 -
	--World--	1504.28	1818.17	2317.79	100	100	100	27.48
28251010	Hydrazine Hydrate	4.52	4.45	1.75	0.3	0.25	0.08	-60.65
290543	Mannitol	4.72	6.06	12.39	0.31	0.33	0.54	104.45
290544	D-Glucitol (Sorbitol)	11.37	25.22	36.87	0.76	1.39	1.59	46.2
290545	Glycerol	2.29	2.34	9.15	0.15	0.13	0.4	291.17
29061100	Menthol	57.96	79.57	80.23	3.85	4.38	3.46	0.83
29061320	Inositols	16.67	29.14	49.72	1.11	1.6	2.15	70.62
291411	Acetone (Propanone)	0.53	0.81	0.75	0.04	0.05	0.03	-8.26
291421	Camphor (2-Camphanone)	17.88	23.5	28.75	1.19	1.29	1.24	22.32
29163920	Brufen (Ibuprofen)	24.18	38.6	39.51	1.61	2.12	1.71	2.36
29171110	Oxalic Acid	23.03	38.21	49.75	1.53	2.1	2.15	30.2
291811	Lactic Acid, Its Salts And Esters	26.45	31.62	40.40	1.76	1.74	1.74	27.77
291812	Tartaric Acid	27.49	38.61	55.46	1.83	2.12	2.39	43.64
291813	Salts And Esters Of Tartaric Acid	9.6	7.66	3.98	0.64	0.42	0.17	-48.06
291814	Citric Acid	345.79	456.48	611.94	22.99	25.11	26.4	34.05
291815	Salts And Esters Of Citric Acid	57.53	70.58	103.07	3.82	3.88	4.45	46.03
291816	Gluconic Acid, Its Salts And Esters	29.98	40.94	55.97	1.99	2.25	2.42	36.71
291817	Phenylglycolic Acid Its Salts And Esters	0	0	0.00	0	0	0	0
29182110	Salicylic Acid And Sodium Salicylate	7.9	9.43	12.87	0.53	0.52	0.56	36.45
29182210	O-Acetylsalicylic Acid	22.73	18.95	20.47	1.51	1.04	0.88	8.03
291823	Esters Of Salicylic Acid And Its Salts Nesoi	20.75	26.31	35.17	1.38	1.45	1.52	33.66

29224110	Lysine	7.3	5.78	10.36	0.49	0.32	0.45	79.27
29224190	Lysine Esters & Salts	118.11	140.17	130.89	7.85	7.71	5.65	-6.62
29224310	Anthranilic Acid	0.96	1.88	1.62	0.06	0.1	0.07	-13.65
29224991	Procaine	1.8	1.87	2.37	0.12	0.1	0.1	26.48
292310	Choline And Its Salts	65.19	41.07	7.59	4.33	2.26	0.33	-81.52
292320	Lecithins And Other Phosphoaminolipids	9.75	5.82	3.16	0.65	0.32	0.14	-45.62
29242920	P-Acetaminophenol	139.08	138.41	171.31	9.25	7.61	7.39	23.76
29251100	Saccharin & Its Salts	51.12	80.73	163.56	3.4	4.44	7.06	102.6
29299010	Sodium Cyclamate	30.62	37.63	42.66	2.04	2.07	1.84	13.38
293010	Dithiocarbonates (Xanthates)	39.25	0	0.00	2.61	0	0	0
293040	Methionine	7.19	9.71	10.29	0.48	0.53	0.44	5.93
29309010	Cystine	4.83	5.63	13.70	0.32	0.31	0.59	143.35
293211	Tetrahydrofuran	3.86	3.48	1.56	0.26	0.19	0.07	-55.13
293212	2-Furaldehyde (Furfuraldehyde)	23.89	30.27	54.15	1.59	1.67	2.34	78.85
293213	Furfuryl Alcohol And Tetrahydrofurfuryl Alcohol	64.87	114.56	168.70	4.31	6.3	7.28	47.26
293293	Piperonal (Heliotropin)	16.66	21.22	22.48	1.11	1.17	0.97	5.92
29329910	Furan Phenol	0.68	0.34	20.93	0.05	0.02	0.9	6081.76
293331	Pyridine And Its Salts	27.85	27.34	37.59	1.85	1.5	1.62	37.48
29333210	Piperidine	0	0.03	0.06	0	0	0	72.59
29333220	Salts Of Piperidine	3.19	1.75	4.81	0.21	0.1	0.21	175.75
29334010	Ciprofloxacin	0	0	0.00	0	0	0	0
293371	6-Hexanelactam (Epsilon-Caprolactam)	0.21	0.09	4.56	0.01	0.01	0.2	4968.23
29349020	Furazolidone	0	0	0.00	0	0	0	0
29350010	Sulfadiazine	17.21	22.73	20.71	1.14	1.25	0.89	-8.89
29350020	Sulfadimidine	19.75	19.18	15.49	1.31	1.06	0.67	-19.22
33011300	Essential Oils Of Lemon	0.27	0.48	0.99	0.02	0.03	0.04	106.49
330121	Essential Oils Of Geranium	5.61	0	0.00	0.37	0	0	0
330124	Essential Oils Of Peppermint (Mentha Piperita)	0.73	0.19	0.45	0.05	0.01	0.02	142.88
33012910	Essential Oils Of Camphor	0.05	0.1	0.04	0	0.01	0	-62.2

33012920	Essential Oils Of Citronella	5.41	7.82	9.64	0.36	0.43	0.42	23.25
33012930	Essential Oils Of Aniseed	5.29	4.28	4.19	0.35	0.24	0.18	-2.1
33012940	Essential Oils Of Cassia	7.99	6.5	6.83	0.53	0.36	0.3	5.07
33012950	Essential Oils Of Litsea Cubeba	7.12	6.01	5.49	0.47	0.33	0.24	-8.59
33012960	Essential Oils Of Eucalyptus	24.42	28.1	44.42	1.62	1.55	1.92	58.06
350110	Casein	24.65	51.3	27.44	1.64	2.82	1.18	-46.51
35030010	Gelatin & Derivatives	39.47	38.98	43.16	2.62	2.14	1.86	10.72
35030090	Isinglass; Other Glues Of Animal Origin	16.38	15.08	18.26	1.09	0.83	0.79	21.12
35040010	Peptones & Derivatives	2.19	1.14	0.14	0.15	0.06	0.01	-87.97

ICE-based on World Trade Atlas data

Custom Duty and Tax Rebate Rate

HS Code	Description	Custom Duty	Tax Rebate Rate
28121010	Sulphocides Chloride	2%	--
28251010	Hydrazine Hydrate	5.5%	5%
29054300	Mannitol	8%	9%
290544	D-Glucitol (Sorbitol)	14%	9%
290545	Glycerol	3%	9%
29061100	Menthol	5%	13%
29061320	Inositols	5.5%	9%
29141100	Acetone	5.5%	9%
291421	Camphor (2-Camphanone)	5.5%	9%
29163920	Brufen (Ibuprofen)	6.5%	9%
29171110	Oxalic Acid	6.5%	9%
291811	Lactic Acid, Its Salts And Esters	6.5%	9%
291812	Tartaric Acid	6.5%	9%
291813	Salts And Esters Of Tartaric Acid	6.5%	9%
291814	Citric Acid	6.5%	13%
291815	Salts And Esters Of Citric Acid	6.5%	13%
291816	Gluconic Acid, Its Salts And Esters	6.5%	9%
29182110	Salicylic Acid And Sodium Salicylate	6.5%	9%

29182210	O-Acetylsalicylic Acid	6%	9%
291823	Esters Of Salicylic Acid And Its Salts Nesoi	6.5%	9%
29224110	Lysine	5%	9%
29224190	Lysine Esters & Salts	6%	9%
29224310	Anthranilic Acid	6.5%	9%
29224991	Procaine	6%	9%
292310	Choline And Its Salts	6.5%	9%
292320	Lecithins And Other Phosphoaminolipids	6.5%	9%
29242920	P-Acetaminophenol	6%	9%
292511	Saccharin And Its Salts	9%	9%
29299010	Sodium Cyclamate	9%	9%
293040	Methionine	6.5%	9%
29309010	Cystine	6.5%	9%
293211	Tetrahydrofuran	6%	9%
293212	2-Furaldehyde (Furfuraldehyde)	6%	9%
293213	Furfuryl Alcohol And Tetrahydrofurfuryl Alcohol	6%	9%
293293	Piperonal (Heliotropin)	6.5%	13%
29329910	Furan Phenol	4%	9%
293331	Pyridine And Its Salts	6%	9%
29333210	Piperidine	2%	9%
29333220	Salts Of Piperidine	6.5%	9%
293371	6-Hexanelactam (Epsilon-Caprolactam)	5%	9%
29350010	Sulfadiazine	6.5%	9%
29350020	Sulfadimidine	6.5%	9%
330113	Essential Citrus Fruit Oils Of Lemon	20%	9%
330124	Essential Oils Of Peppermint (Mentha Piperita)	20%	9%
33012910	Essential Oils Of Camphor	20%	9%
33012920	Essential Oils Of Citronella	15%	9%
33012930	Essential Oils Of Aniseed	20%	9%
33012940	Essential Oils Of Cassia	20%	9%
33012950	Essential Oils Of Litsea Cubeba	20%	9%
33012960	Essential Oils Of Eucalyptus	20%	9%
350110	Casein	10%	13%
35030010	Gelatin & Derivatives	--	13%
35030090	Isinglass; Other Glues Of Animal Origin	12%	13%
35040010	Peptones & Derivatives	3%	13%