

MW 591.24 Technical Grade Magnesium Stearate CAS 557-04-0 Fine Powder

Basic Information

Place of Origin: China
 Brand Name: Hongbaiyi
 Certification: COA, HPLC

Model Number: HBY-Magnesium Stearate

Minimum Order Quantity: 1kiloPrice: Negotiable

Packaging Details: woven bag lined high pressure polyethylene

film; 25kg/bag or follow customer's packing

instructions

Delivery Time: 3~5 days, upon recepient of payment
 Payment Terms: T/T, Western Union, MoneyGram

• Supply Ability: 300,000 Kilograms



Product Specification

Product Name: Magnesium Stearate

Synonyms: Stearic Acid Magnesium Salt
 Linear Formula: [CH3(CH2)16CO2]2Mg
 Appearance: White Or Off-white Fine Powder

CAS Number: 557-04-0
 Molecular Weight: 591.24

Grade: Technical Grade

Samples: 1kg

• Highlight: CAS 557-04-0 Magnesium Stearate,

Fine Powder Magnesium Stearate, MW 591.24 Magnesium Stearate



More Images











What is Magnesium?

Magnesium stearate exhibits a fine, white, and loose powder appearance with a smooth, slippery texture. It is insoluble in water, ethanol, and but soluble in hot water.

Upon exposure to acids, magnesium stearate decomposes into stearic acid and corresponding magnesium salts. Its solubility in room temperature

water is approximately 77-79 mg/L, and it dissolves in hot ethanol. Magnesium stearate possesses a faint characteristic odor and a slippery feel.

Magnesium Stearate Industry Standards in China

Table 1: General Requirement

Parameter	Requirement	
Appearance	White or off-white powder	
Odor	Slight odor, characteristic	
Melting range	155°C - 165°C	
Loss on drying	≤ 1.0% (105°C, 2 hours)	
Residue on ignition	≤ 0.1%	
Heavy metals (Pb)	≤ 10 ppm	
Arsenic (As)	≤ 2 ppm	

Table 2: Physical and Chemical Properties

Parameter	Test Method	Requirement	
Particle size	GB/T 19001-2008	≤ 100 µm (90%)	
Bulk density	GB/T 19005-2008	0.40~0.60 g/cm³	
Angle of repose	GB/T 19006-2008	≤ 30°	
Specific surface area	GB/T 19007-2008	≥ 20 m²/g	
Oil absorption	GB/T 19008-2008	≥ 100 g/100 g	
pH value	GB/T 19009-2008	5.0~8.0 (5% aqueous solution)	

Table 3: Impurities

Impurity	Test Method	Limi	t
Stearic acid	GB/T 19010-2008	≤ 2.0%	
Palmitic acid	GB/T 19011-2008	≤ 1.0%	
Calcium stearate	GB/T 19012-2008	≤ 0.1%	
Zinc stearate	GB/T 19013-2008	≤ 0.05%	

Note: These standards are based on GB 2510-2020, "Pharmaceutical Grade Magnesium Stearate".

Additional Information:

Magnesium stearate is a widely used pharmaceutical excipient due to its lubricating, anti-adherent, and flow-promoting properties.

It is commonly used in tablets, capsules, and ointments.

Magnesium stearate is generally considered to be safe and non-toxic.

I hope this information is helpful. Please let me know if you have any other questions.

Excipient list: Key Ingredients & Uses

Category	Product Name	Description	

		This product is used as a binder, diluent, filler, disintegrant, and glidant in solid preparations. The
Cellulose and derivatives	Microcrystalline cellulose	amount used is generally 5%-20%. It can be used in both wet granulation and dry direct compress
		processes. When used for direct compression, the amount used is generally 10%-30%. It also has
		good disintegrating effect and is a basic excipient for orally disintegrating tablets.
		This product can also be used as an anti-caking agent, dispersant, and binder in the food industry
		low viscosity grades of this product can be used as binders and disintegrants in solid preparations
		can also be used as a purifying agent for sustained-release or controlled-release tablets. The high
Cellulose and derivatives	Hydroxypropyl	viscosity grades of this product can be used to prepare skeletal sustained-release tablets, hydrop
	methylcellulose	gel skeletal sustained-release tablets, as a sustained-release and controlled-release agent, and is
		a good suspending agent for suspensions in liquid preparations. It can also be used to prepare
		hydrogels and gastrointestinal adhesive preparations due to its swelling properties in water. It is o
		the main materials for plant capsules.
		This product is mainly used as a binder for tablets, especially for poorly formed materials. The add
	Low-substituted	of this product can improve the formation and hardness of tablets. This product can also be used
Cellulose and derivatives	hydroxypropyl	disintegrant in tablets of Western medicine or traditional Chinese medicine to promote the
	methylcellulose	disintegration of drugs.
		This product is mainly used as a disintegrant in solid preparations. Its characteristics are good
Cellulose and derivatives	Croscarmellose sodium	compressibility and strong disintegrating force. As a disintegrant for tablets, it is suitable for both v
		granulation and dry direct compression processes.
		This product is mainly used as a filler, binder, thickener, and emulsifying stabilizer in solid
Starch and derivatives	Dextrin	preparations.
		a sparation of
		This product is often used as a filler, disintegrant, and binder in solid preparations. It has poor
Starch and derivatives	Pharmaceutical starch	compressibility, is hygroscopic but not deliquescent, and should not be used alone. It is often user
		lactose or dextrin to increase the hardness of tablets.
	0 - 45	This product is mainly used as a disintegrant and binder in solid preparations and as a suspendin
Starch and derivatives	Sodium carboxymethyl starch Beta-cyclodextrin	agent in liquid preparations. The typical usage is 2-8%. This product can also be used as a thicke
		and stabilizer in the food industry.
01		This product can be used as a complexing agent and stabilizer in formulations, as well as a carrie
Starch and derivatives		material for drugs.
	Magnesium stearate	This product has lubricating, anti-adhesive, and flow-promoting effects. It is used as a lubricant ar
Inorganic salts		anti-adhesive agent for tablets and capsules. The typical usage is 0.25%-2.0%.
		This product has suspending thickening, and colloidal protective effects in liquid preparations. In §
	Silicon dioxide	preparations, it is used as a binder for granules and tablets. Because it is soluble in both water an
Inorganic salts		ethanol, its ethanol solution is used as a binder for water-sensitive drugs and effervescent tablet
		granules. It can also be used as a solid dispersion, sustained-release, and film-forming material.
		This product is mainly used as a disintegrant for tablets, and can also be used as a disintegrant a
	I	1 - 1
		filler for pills, granules, and hard capsules. The disintegration time and dissolution effect of tablets
Other	Povidone K30	filler for pills, granules, and hard capsules. The disintegration time and dissolution effect of tablets
Other	Povidone K30	filler for pills, granules, and hard capsules. The disintegration time and dissolution effect of tablets prepared with this product will not change over time. The loose density of the granules decreases
Other	Povidone K30	filler for pills, granules, and hard capsules. The disintegration time and dissolution effect of tablets prepared with this product will not change over time. The loose density of the granules decreases the amount of drug used increases, but the density does not change significantly. Tablets compre
Other	Povidone K30	filler for pills, granules, and hard capsules. The disintegration time and dissolution effect of tablets prepared with this product will not change over time. The loose density of the granules decreases the amount of drug used increases, but the density does not change significantly. Tablets compre with this product as a disintegrant have high hardness, a smooth and beautiful appearance, short
Other	Povidone K30 Crospovidone	filler for pills, granules, and hard capsules. The disintegration time and dissolution effect of tablets prepared with this product will not change over time. The loose density of the granules decreases the amount of drug used increases, but the density does not change significantly. Tablets compre with this product as a disintegrant have high hardness, a smooth and beautiful appearance, short disintegration time, and a high dissolution rate. This product can also be used as a clarifying ager

Product Images:





Applications:

 $\label{thm:problem} \mbox{Widely used in food, medicine, coatings, plastics, rubber, textiles, and other industries.}$

Used as a heat stabilizer for polyvinyl chloride, a transparent flatting agent in the paint industry, and a lubricant to make putty smooth and bright. A novel pharmaceutical excipient that can be used as a film-forming coating material for solid dosage forms, a thickener for colloidal liquid dosage forms, and a suspending agent. It can also be used as a pharmaceutical tablet excipient (filler and lubricant). Used in powder cosmetics to improve adhesion and lubricity.



Shaanxi Hongbaiyi Biotech Co., Ltd.



(18192109180



tracy@sxhongbaiyi.com



peptide-powder.com

Hengjia Business Building, No.115 Weiyang Road, E&T Development Zone, Xi'an, Shaanxi, China.