



## Specification

Concerning Product:	
Article number	557040V01
Trade name / designation / denomination	Magnesiumstearat USP/BP/EP/LM
CAS number	557-04-0
Other names / synonyms	•Magnesium distearate, pure; •magnesium distearate; •magnesium octadecanoate;
EC number	209-150-3
Customs tariff number / CN code / TARIC	29157050
Molecular weight [g / mol]	591,25
Formula	C <sub>36</sub> H <sub>70</sub> MgO <sub>4</sub>

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	White, easy and sand-free fine powder; slightly smelly; skin contact has a greasy feeling.	
<b>Physical parameter</b>		
Acidity/Alkalinity	complies	
Loss on drying	≤ 6	%
Solubility	Insoluble in water, ethanol, and ether	
<b>Identity</b>		
Assay	Mg: 4,0 – 5,0	%
Assay	Relative content of stearic acid ≥ 40,0	
Assay	Relative content of stearic acid and palmitic acid ≥ 90,0	
Identification	A-D: complies	
<b>Impurities</b>		
Sulphates (SO <sub>4</sub> )	≤ 1,0	%
<b>Elemental Impurities</b>		
Cadmium (Cd)	≤ 3,0	ppm
Chlorides (Cl)	≤ 0,1	%
Iron (Fe)	-	ppm
Mercury (Hg)	≤ 0,005	ppm
Nickel (Ni)	≤ 5	ppm
Lead (Pb)	≤ 10	ppm

<b>Microbiological data</b>		
Escherichia Coli.	neg. in 1 g	CFU/g
Salmonella	neg. in 10 g	
Total Plate Count	(TAMC): ≤ 1000	CFU/g
Yeast and Mould	(TYMC): ≤ 100	CFU/g

**Supplemental information:**

**Storage conditions:** Magnesium Stearate should be stored in a cool, dry place, away from moisture and direct sunlight. Ensure the storage area is well-ventilated and free from sources of ignition. The product should be kept in tightly sealed containers to prevent contamination and maintain its quality. Avoid storing near incompatible materials such as strong acids and oxidizing agents. Proper storage conditions will ensure the stability and effectiveness of Magnesium Stearate.

**Complies with monographie:** EP, USP, BP

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 18. Dec. 2024

LF-Basis: (2024-12-018)

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