



Specification

Concerning Product:	
Article number	557040VPEUL
Trade name / designation / denomination	Magnesiumstearat pflanzlich, EP, USP, FC
CAS number	557-04-0
Other names / synonyms	â€¢Magnesium distearate, pure; â€¢magnesium distearate; â€¢magnesium octadecanoate;
EC number	209-150-3 209-150-3
Customs tariff number / CN code / TARIC	29157050
Molecular weight [g / mol]	591,25
Formula	C36H70MgO4

Parameter	Specification	Unit
Organoleptic test		
Appearance	white powder	
Physical parameter		
Acidity/Alkalinity	≤ 2,00	mg KOH/g
Acidity/Alkalinity	complies	
Loss on drying	(105 Â°C) ≤ 4,00	%
Specific surface area	1,00 â 4,00	mÂ²/g
Identity		
Assay	≥ 95,0	%
Identification	(A, B) (USP) complies	
Identification	(A, B) (USP) entspricht	
Identification	(A, B, C, D) (EP) complies	
Melting Point (identity)	130,0 â 155,0	Â°C
Impurities		
Free Alkali (Ca(OH) ₂)	MgO ≤ 0,10	%
Free Fatty Acid	Oleic acid ≤ 3,00	
Sulphates (SO ₄)	≤ 1	%
Impurity	Sieve residue (> 200 mesh) ≤ 1,00	%
Impurity	Unsaponifiable substances ≤ 2,00	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Cadmium (Cd)	≤ 1	ppm
Chlorides (Cl)	≤ 0,1	%
Mercury (Hg)	≤ 1	ppm
Magnesium (Mg)	4,00 â 5,00	%
Magnesium (Mg)	O 6,80 â 8,30	%
Nickel (Ni)	≤ 5	ppm
Lead (Pb)	≤ 2	ppm
Organic volatile impurities		
Org. volat. Imp. Total	complies	
Nutritional data		
All Fats	Fatty acid content C 16 C 18 90,00 â 100,00	%
All Fats	Fatty acid content C 18 40,00 â 100,00	%
Microbiological data		
Escherichia Coli.	Negative	/g
Salmonella	Negative	/10g
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. Oct. 2021

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