



## Specification

Concerning Product:	
Article number	1309484MF
Trade name / designation / denomination	Magnesiumoxid, sehr fein
CAS number	1309-48-4
Other names / synonyms	•MAGNESIUM OXIDE; •Magnesia grooves; •Magnesia sticks; •Magnesium Oxide, Heavy Powder, USP; •Magnesium Oxide, Light Powder, USP; •Magnesium Oxide, Powder, FCC; •Magnesium Oxide, Powder, Reagent, ACS; •Magnesium Oxide, Powder, Technical; •Magnesium oxide; •Magnesium oxide substrate, 10x10x0.5mm, polished one side, 100 orientation;
EC number	215-171-9
Customs tariff number / CN code / TARIC	25199010
Molecular weight [g / mol]	40,30
Formula	MgO

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	white crystalline powder	
<b>Physical parameter</b>		
Activity index (acetic acid)	≤ 9,0	sec.
Bulk density	~ 350	g/L
Specific surface area	5 – 25	m <sup>2</sup> /g
<b>Identity</b>		
Assay	(o.d.b.*) ≥ 99,0	%
<b>Impurities</b>		
Residue on ignition	≤ 2,5	%
Sulphates (SO <sub>4</sub> )	≤ 0,2	%
Impurity	Al <sub>2</sub> O <sub>3</sub> : ≤ 0,15	%
Impurity	CaO: ≤ 0,2	%
Impurity	SiO <sub>2</sub> : ≤ 0,05	%
<b>Elemental Impurities</b>		
Chlorides (Cl)	≤ 0,1	%
Iron (Fe)	≤ 0,05	%
Potassium (K)	(incl. Natrium/Sodium) ≤ 100	ppm
Sodium (Na)	(incl. Kalium/Potassium) ≤ 100	ppm
<b>Particle size distribution</b>		
Particles	D <sub>50</sub> : ≤ 5	µm
Particles	D <sub>90</sub> : ≤ 16	µm

**Annotation:**

o.d.b. = on dried basis / auf getrockneter Basis

**Supplemental information:**

**Released by manufacturer:** 2018-10-09

**Version of manufacturer:** 2

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 05. Jun. 2019

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