



## Specification

Concerning Product:	
Article number	1309484MMZ
Trade name / designation / denomination	Magnesiumoxid, mittelleicht
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	
Odour	odourless	
<b>Physical parameter</b>		
Activity index (acetic acid)	(CMA): 7 – 11	sec.
Bulk density	~ 350	g/l
Solubility	very slightly soluble in water	
Specific surface area	≥ 40	m <sup>2</sup> /g
<b>Identity</b>		
Assay	MgO: ≥ 97	%
<b>Impurities</b>		
Residue on ignition	≤ 3,0	%
Impurity	Al <sub>2</sub> O <sub>3</sub> : ≤ 0,20	%
Impurity	CaO: ≤ 1,0	%
Impurity	Fe <sub>2</sub> O <sub>3</sub> : ≤ 0,30	%
Impurity	SiO <sub>2</sub> : ≤ 0,50	%
Impurity	SO <sub>3</sub> : ≤ 0,30	%
<b>Elemental Impurities</b>		
Chlorides (Cl)	≤ 0,50	%
<b>Particle size distribution</b>		
Particles	< 325 Mesh ≥ 99,0	%
Particles	~ 3 – 8	µm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 14. May. 2019

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