



Specification

Concerning Product:	
Article number	1309484MMW
Trade name / designation / denomination	Magnesiumoxid, mittelschwer
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
Organoleptic test		
Appearance	white, crystalline powder	
Physical parameter		
Activity index (acetic acid)	≤ 9,0	sec.
Bulk density	~ 380	g/l
Specific surface area	≤ 50	m ² /g
Identity		
Assay	MgO (o.d.b.)* ≥ 97,0	%
Impurities		
Residue on ignition	≤ 6,0	%
Impurity	Al ₂ O ₃ : ≤ 0,2	%
Impurity	CaO: ≤ 1,0	%
Impurity	Fe ₂ O ₃ : ≤ 0,3	%
Impurity	SiO ₂ : ≤ 0,5	%
Impurity	SO ₃ : ≤ 0,3	%
Elemental Impurities		
Chlorides (Cl)	≤ 0,5	%
Particle size distribution		
Particles	< 100 Mesh ≥ 99,9	%
Particles	< 325 Mesh ≥ 99,0	%
Particles	~ 3 – 8	µm

Annotation:

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

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 14. May. 2019

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