



## Spezifikation

Produktbezug:	
Produktnummer	1309484MLE
Handelsname / Bezeichnung	Magnesiumoxide light
CAS Nummer	1309-48-4
Andere Bezeichnungen / Synonyme	•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;
EG Nummer	215-171-9
Zolltarifnummer / CN-Code	25199010
Molekulargewicht [g/mol]	40,30
Formel	MgO

Parameter	Spezifikation	Einheit
<b>Sensorische Prüfung</b>		
Aussehen der Lösung	≤ B2	
Aussehen	rieselfähiges, weißes Pulver	
<b>Physikalische Parameter</b>		
Unlösliche Anteile	in Acetylsäure: ≤ 0,1	%
Unlösliche Anteile	in Säure ≤ 0,1	%
Schüttdichte	≤ 0,15	g/ml
Löslichkeit	Lösliche Salze ≤ 2,0	%
Löslichkeit	unlöslich in Wasser und Alkohol, löslich in verdünnten Mineralsäuren mit Aufbrausen	
<b>Identifikation</b>		
Gehalt	auf gezündeter Basis 98,0 – 100,5	%
Identifizierung	(Alkali): positive	
Identifizierung	(Mg): positive	
<b>Verunreinigungen</b>		
Freies Alkali (Ca(OH) <sub>2</sub> )	(0,1N H <sub>2</sub> SO <sub>4</sub> ): ≤ 2,0	ml
Glührückstand	≥ 95	%
Sulphat (SO <sub>4</sub> )	≤ 1,0	%
Verunreinigung	CaO: ≤ 1,5	%
<b>Elementare Verunreinigungen</b>		
Arsen (As)	≤ 3	ppm
Calcium (Ca)	≤ 1,1	%
Chloride (Cl)	≤ 0,15	%
Eisen (Fe)	≤ 0,05	ppm
Blei (Pb)	≤ 2	ppm
<b>Mikrobiologische Daten</b>		
Bakterielle Endotoxine	Enterobacteriaceae: negativ	
Escherichia Coli.	neg.	
Salmonellen	neg.	
Gesamtkeimzahl	≤ 1000	CFU/g
Schimmel und Hefe	≤ 100	CFU/g
<b>Partikelgrößenverteilung</b>		
Partikel	(<45 µm) (Nasssieb) ≤ 97,0	%

### **Zusätzliche Angaben:**

**Entspricht der Monographie:** EP, USP, E 530

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 30. Nov. 2022

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