



## Spezifikation

Produktbezug:	
Produktnummer	1309484VPEBUL
Handelsname / Bezeichnung	Magnesiumoxid, schwer EP, BP, USP, E 530 Magnesiumoxide, heavy
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	Methode	Spezifikation	Einheit
<b>Sensorische Prüfung</b>			
Aussehen der Lösung	EP	entspricht	
Farbe		weiß	
Geruch		geruchlos	
<b>Physikalische Parameter</b>			
Form (Aggregatzustand)		feines Pulver	
Unlösliche Anteile	EP	in C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> : ≤ 0,1	%
Schüttdichte		(~ 480) ≥ 250	g/L
Löslichkeit		unlöslich in Wasser; unlöslich in Alkohol; löslich in verdünnten Säuren	
<b>Identifikation</b>			
Gehalt	E 530	MgO: ≥ 98,0	%
Gehalt	EP	MgO: 98,0 – 100,5	%
Identifizierung	EP	entspricht	
<b>Verunreinigungen</b>			
Freies Alkali (Ca(OH) <sub>2</sub> )		(0,1N H <sub>2</sub> SO <sub>4</sub> ): ≤ 2,0	ml
Glührückstand	E 530	≤ 5,0	%

Glührückstand	EP	≤ 8,0	%
Schwermetalle (als Pb)		≤ 30	ppm
Löslicher Anteil	EP, E 530	in H <sub>2</sub> O: ≤ 2,0	%
Sulphat (SO <sub>4</sub> )	EP	≤ 1,0	%
Verunreinigung	E 530	CaO: ≤ 1,5	%
<b>Elementare Verunreinigungen</b>			
Arsen (As)	E 530	≤ 3	ppm
Arsen (As)	EP	≤ 4	ppm
Calcium (Ca)	EP	≤ 1,5	%
Chloride (Cl)	EP	≤ 0,1	%
Eisen (Fe)	EP	≤ 0,07	%
Blei (Pb)		≤ 0,3	ppm
<b>Partikelgrößenverteilung</b>			
Partikel		< 325 Mesh (44 µm): ≥ 75,0	%

### **Zusätzliche Angaben:**

**Lagerbedingungen:** Magnesiumoxid muss in trockener Umgebung gelagert werden. Hitze und Feuchtigkeit vermeiden. Bei offener Lagerung wird MgO durch H<sub>2</sub>O und CO<sub>2</sub> aus der Luft beeinflusst. Geöffnete Säcke sollten immer gut verschlossen aufbewahrt werden.

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

**Verpackung:** 25 kg Papiersäcke mit PE-Innensack

### **Verwendung:**

- Pharmazeutische Anwendungen, u.a. als Antacid
- **Magnesium-Basis für Vitamin-Tabletten**
- Nahrungsmittelzusatzstoff

**Version des Herstellers:** A.7

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 17. May. 2019

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