



Spezifikation

Produktbezug:	
Produktnummer	1309484MWPEUL
Handelsname / Bezeichnung	Magnesiumoxid, schwer, pharma
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
Sensorische Prüfung			
Aussehen der Lösung	EP	entspricht	
Farbe		weiß	
Geruch		geruchlos	
Physikalische Parameter			
Form (Agregatzustand)		Pulver	
Schüttdichte		250 – 650	g/L
Löslichkeit		unlöslich in Wasser; unlöslich in Alkohol; löslich in verdünnten Säuren	
Identifikation			
Gehalt	USP, FCC	MgO: 96,0 – 100,5	%
Gehalt	E 530	MgO: ≥ 98,0	%
Gehalt	EP	MgO: 98,0 – 100,5	%
Identifizierung	EP	entspricht	
Verunreinigungen			
Freies Alkali (Ca(OH) ₂)		(0,1N H ₂ SO ₄): ≤ 2,0	ml
Glührückstand	USP, FCC	≤ 10,0	%

Glührückstand	E 530	≤ 5,0	%
Glührückstand	EP	≤ 8,0	%
Schwermetalle (als Pb)		≤ 30	ppm
Löslicher Anteil	EP, E530	in H ₂ O: ≤ 2,0	%
Sulphat (SO ₄)	EP	≤ 1,0	%
Verunreinigung	E 530	CaO: ≤ 1,50	%
Elementare Verunreinigungen			
Arsen (As)	EP	≤ 1	ppm
Calcium (Ca)	USP	≤ 1,10	ppm
Calcium (Ca)	EP	≤ 1,50	%
Cadmium (Cd)		≤ 0,5	ppm
Chloride (Cl)	EP	≤ 0,10	%
Eisen (Fe)	USP	≤ 0,05	%
Eisen (Fe)	EP	≤ 0,07	%
Quecksilber (Hg)		≤ 0,5	ppm
Blei (Pb)		≤ 0,5	ppm
Partikelgrößenverteilung			
Partikel		> 325 Mesh ≤ 25	%

Zusätzliche Angaben:

Freigabe des Herstellers: 2018-03-16

Lagerbedingungen: Magnesiumoxid muss in trockener Umgebung gelagert werden. Hitze und Feuchtigkeit vermeiden. Bei offener Lagerung wird MgO durch H₂O und CO₂ 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: 2

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 05. Jun. 2019

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