



Spezifikation

Produktbezug:	
Produktnummer	1309484MGPF
Handelsname / Bezeichnung	Magnesiumoxide granulat
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		entspricht	
Farbe		weiß	
Physikalische Parameter			
Form (Aggregatzustand)		Granulat	
Unlösliche Anteile		in HCl: ≤ 0,10	%
Glühverlust	USP, FCC	≤ 10,0	%
Glühverlust	EP	≤ 8,0	%
Glühverlust		≤ 5,0	%
Schüttdichte		1000 x gestampft / tapped: 0,90 – 1,20	g/ml
Schüttdichte		ungestampft / untapped: 0,85 – 1,05	g/ml
Löslichkeit		unlöslich in Wasser und in Alkohol, löslich in verdünnten Mineralsäuren unter leichtem Sprudeln	
Identifikation			
Gehalt	EP	(o.d.b.)* 98,0 – 100,5	%
Gehalt	E 530	(o.d.b.)* ≥ 98,0	%
Gehalt	USP, FCC	(o.d.b.)* 96,0 – 100,5	%
Identifizierung		entspricht	
Identifizierung	EP	Lösung S: entspricht	

Verunreinigungen			
Freies Alkali (Ca(OH) ₂)	USP, FCC, E530	≤ 2,0	ml
Löslicher Anteil		≤ 2,0	%
Sulphat (SO ₄)	EP	≤ 1,0	%
Verunreinigung		CaO: ≤ 1,5	%
Elementare Verunreinigungen			
Arsen (As)		≤ 1	ppm
Arsen (As)	FCC, E 530	≤ 3	ppm
Calcium (Ca)	USP	≤ 1,1	%
Calcium (Ca)	EP	≤ 1,5	%
Cadmium (Cd)		≤ 0,5	ppm
Chloride (Cl)	EP	≤ 0,1	%
Eisen (Fe)		≤ 500	ppm
Eisen (Fe)	USP	≤ 0,05	ppm
Eisen (Fe)	EP	≤ 0,07	ppm
Quecksilber (Hg)		≤ 0,1	ppm
Blei (Pb)		≤ 0,2	ppm
Blei (Pb)	FCC	≤ 4	ppm
Blei (Pb)	E 530	≤ 2	ppm
Partikelgrößenverteilung			
Partikel		< 100 mesh: 1,0 – 8,0	%
Partikel		< 30 ... > 60 mesh: 60,0 – 80,0	%
Partikel		< 60 ... > 100 mesh: 5,0 – 25,0	%
Partikel		> 20 mesh: ≤ 0,0	%
Partikel		> 30 mesh: 8,0 – 20,0	%

Anmerkung:

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

Zusätzliche Angaben:

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

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 24. Aug. 2023

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