



Spezifikation

Produktbezug:	
Produktnummer	1309428MPEL
Handelsname / Bezeichnung	Magnesiumhydroxyd EP, E 528
CAS Nummer	1309-42-8
Andere Bezeichnungen / Synonyme	•MAGNESIUM HYDROXIDE; •Magnesium Hydroxide, FCC; •Magnesium Hydroxide, Powder, Reagent; •Magnesium Hydroxide, Powder, USP; •Magnesium hydroxide; •Magnesiumhydroxid; •Magnesiumhydroxyd 20% Paste; •magnesium dihydroxide; •magnesium hydroxide;
EG Nummer	215-170-3
Zolltarifnummer / CN-Code	28161000
Molekulargewicht [g/mol]	58,33
Formel	Mg(OH) ₂ H ₂ MgO ₂

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	entspricht	
Farbe	weiß	
Geruch	geruchlos	
Physikalische Parameter		
Form (Aggregatzustand)	feines Pulver	
Unlösliche Anteile	in C ₂ H ₄ O ₂ : ≤ 0,1	%
Trocknungsverlust	(105 °C) ≤ 2,0	%
Schüttdichte	400 – 650	g/l
Schüttdichte	1000 x gestampft / tamped: 610 – 800	g/ml
Löslichkeit	unlöslich in Wasser unlöslich in Alkohol löslich in verdünnten Säuren	
Identifikation		

Gehalt	Mg(OH) ₂ : 95,0 – 100,5	%
Identifizierung	Lösung S: entspricht	
Verunreinigungen		
Freies Alkali (Ca(OH) ₂)	≤ 2,0	ml
Glührückstand	(E 528): ≥ 67,0	%
Glührückstand	(EP): 67,5 – 71,0	%
Löslicher Anteil	≤ 2,0	%
Sulphat (SO ₄)	≤ 1,0	%
Verunreinigung	CaO: ≤ 1,5	%
Elementare Verunreinigungen		
Arsen (As)	≤ 1,5	ppm
Calcium (Ca)	≤ 1,5	%
Chloride (Cl)	≤ 1000	ppm
Eisen (Fe)	≤ 700	ppm
Blei (Pb)	≤ 0,5	ppm
Mikrobiologische Daten		
Escherichia Coli.	neg.	
Partikelgrößenverteilung		
Partikel	nass / wet > 325 Mesh: ≤ 5,0	%

Zusätzliche Angaben:

Entspricht der Monographie: Ph.Eur., E 528

regionaler Ursprung: D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 20. Jan. 2020

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