



Spezifikation

Produktbezug:	
Produktnummer	3344181MPEU
Handelsname / Bezeichnung	Tri-Magnesiumdicitrat wasserfrei EP/LM
CAS Nummer	3344-18-1
Andere Bezeichnungen / Synonyme	•Magnesium citrate; •Magnesiumcitrat; •Trimagnesiumdicitrat; •trimagnesium 2-hydroxypropane-1,2,3-tricarboxylate; •trimagnesium dicitrate;
EG Nummer	222-093-9
Zolltarifnummer / CN-Code	29181500
Molekulargewicht [g/mol]	451.1144
Formel	C ₁₂ H ₁₀ Mg ₃ O ₁₄

Parameter	Specification	Unit
Sensorische Prüfung		
Aussehen der Lösung	entspricht	
Aussehen	weißes bis cremefarbenes Pulver	
Geruch	geruchlos	
Physikalische Parameter		
Trocknungsverlust	(180°C, 5h) ≤ 3,5	%
pH-Wert	(5% in H ₂ O [EP]): 6,0 – 8,5	
Löslichkeit	löslich in Wasser; frei löslich in verdünnten Säuren; praktisch unlöslich in Ethanol (96 %)	
Identifikation		
Gehalt	Mg (o.d.b.) ¹ : 15,0 – 16,4	%
Identifizierung	entspricht	
Verunreinigungen		
Oxalate (als wasserfreie Oxalsäure)	≤ 280	mg/kg
Sulphat (SO ₄)	≤ 2000	mg/kg
Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Calcium (Ca)	≤ 2000	mg/kg
Cadmium (Cd)	≤ 0,1	ppm
Eisen (Fe)	≤ 100	mg/kg
Quecksilber (Hg)	≤ 0,1	ppm
Blei (Pb)	≤ 1	ppm
Partikelgrößenverteilung		
Partikel	(< 100µm) ≤ 10	%
Partikel	(> 1000µm) ≤ 5	%
Partikel	(> 400µm) ≥ 50	%

Anmerkung:

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

Zusätzliche Angaben:**Mindesthaltbarkeit:** 36 Mon.**Entspricht der Monographie:** EP / E 345(i)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 08. Aug. 2024

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