



Spezifikation

Produktbezug:	
Produktnummer	153531965MPEU
Handelsname / Bezeichnung	tri-Magnesiumdicitrat 9-Hydrat, EP, USP
CAS Nummer	153531-96-5
Andere Bezeichnungen / Synonyme	•tri-Magnesiumdicitrat 9-Hydrat;
EG Nummer	

Parameter	Test Method	Specification	Unit
Sensorische Prüfung			
Aussehen der Lösung		entspricht	
Farbe		weiß bis fast weiß	
Geruch		geruchlos	
Physikalische Parameter			
Form (Aggregatzustand)		Pulver	
Trocknungsverlust	USP	(@ 135°C, 16h) ≤ 29,0	%
Trocknungsverlust	EP	(@ 180°C, 5h) 24,0 – 28,0	%
pH-Wert	USP	(5% in H ₂ O) 5,0 – 9,0	
pH-Wert	EP	(5% in H ₂ O) 6,0 – 8,5	
Löslichkeit		in Ethanol: praktisch unlöslich	
Löslichkeit		in verdünnten Säuren: leicht löslich	
Löslichkeit		in Wasser: löslich	
Identifikation			
Gehalt	USP	(o.d.b.)* Mg (@ 135°C): 14,5 – 16,4	%
Gehalt	EP	(o.d.b.)* Mg (@ 180°C): 15,0 – 16,5	%
Gehalt		Mg: 11,3 – 12,5	%
Identifizierung		entspricht	
Verunreinigungen			
Oxalate (als wasserfreie Oxalsäure)		≤ 280	ppm
Sulphat (SO ₄)		≤ 0,2	%

Elementare Verunreinigungen

Arsen (As)		≤ 3	ppm
Calcium (Ca)		$\leq 0,2$	%
Chloride (Cl)		$\leq 0,05$	%
Eisen (Fe)		≤ 100	ppm

Anmerkung:

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

Zusätzliche Angaben:

Mindesthaltbarkeit: 5 Jahre

Entspricht der Monographie: EP, USP

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Sep. 2024

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