



Spezifikation

Produktbezug:	
Produktnummer	3344181MPEU
Handelsname / Bezeichnung	Tri-Magnesiumdicitrat wasserfrei, EP/USP
CAS Nummer	3344-18-1
Andere Bezeichnungen / Synonyme	•trimagnesium dicitrate; •Magnesiumcitrat; •Magnesium citrate; •Trimagnesiumdicitrat; •trimagnesium 2-hydroxypropane-1,2,3- tricarboxylate; •Magnesiumcitrat;
EG Nummer	222-093-9
Zolltarifnummer / CN- Code	29181500
Molekulargewicht [g/mol]	451.1144
Formel	$C_{12}H_{10}Mg_3O_{14}$

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	entspricht	
Aussehen	weißes bis cremefarbenes Pulver	
Geruch	geruchlos	
Physikalische Parameter		
Trocknungsverlust	(EP): $\leq 3,5$	%
Trocknungsverlust	(USP): $\leq 2,0$	%
pH-Wert	(5% in H ₂ O [EP]): 6,0 – 8,5	
pH-Wert	(5% in H ₂ O [USP]): 5,0 – 9,0	
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	A.: entspricht	
Identifizierung	B.: entspricht	

Verunreinigungen		
Schwermetalle (als Pb)	≤ 10	ppm
Oxalate (als wasserfreie Oxalsäure)	≤ 0,028	%
Sulphat (SO ₄)	≤ 0,2	%
Elementare Verunreinigungen		
Arsen (As)	≤ 3	ppm
Calcium (Ca)	≤ 0,2	%
Chloride (Cl)	≤ 0,05	%
Eisen (Fe)	≤ 0,01	%
Organische flüchtige Verunreinigungen		
Org. flücht. Veru. in Summe	entspricht	

Anmerkung:

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

Zusätzliche Angaben:

Freigabe des Herstellers: 2018-07-31

Entspricht der Monographie: Ph.Eur., USP

regionaler Ursprung: D

Version des Herstellers: 2

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Feb. 2019

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