



Spezifikation

Produktbezug:	
Produktnummer	10034998MPE
Handelsname / Bezeichnung	Magnesiumsulfat 7-Hydrat, EP
CAS Nummer	10034-99-8
Andere Bezeichnungen / Synonyme	•1H-1,2,4-triazol-3-amine; •1H-1,2,4-triazol-3-ylamine; •1H-[1,2,4]Triazol-3-ylamine; •3-Amino-1,2,4-Triazole; •3-Amino- 1,2,4-triazole; •3-Amino-1H-1,2,4-triazole; •4-Amino-1,2,4-triazole; •Amitrol; •Anhydrous magnesium sulfate; •MAGNESIUM SULFATE;
EG Nummer	600-073-4
Molekulargewicht [g/mol]	120,37
Formel	MgSO ₄ MgO ₄ S

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen der Lösung		entspricht	
Aussehen		farblose Kristalle, verfärbt sich kalkweiß bis weiß bei warmer trockener Luft	
Physikalische Parameter			
Säuregehalt		≤ 0,2	
Trocknungsverlust		48 – 52	%
pH-Wert		5,0 – 9,2	
Löslichkeit		frei löslich in Wasser, sehr löslich in kochendem Wasser, praktisch unlöslich in Ethanol (96 %)	
Identifikation			
Gehalt		99,0 – 100,5	%
Identifizierung	EP	entspricht	
Identifizierung	Mg (USP)	positiv	
Identifizierung	S ₀₄ (USP)	positiv	
Verunreinigungen			
Glührückstand		48 – 60	%
Schwermetalle (als Pb)		≤ 0,001	%

Restlösemittel			
Restlösemittel		nicht vorhanden	
Elementare Verunreinigungen			
Arsen (As)		≤ 2	ppm
Chloride (Cl)	EP	≤ 300	ppm
Chloride (Cl)	USP	≤ 0,014	%
Eisen (Fe)		≤ 20	ppm
Selenium (Se)		≤ 0,003	%

Zusätzliche Angaben:

Entspricht der Monographie: EP, USP

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 16. Mar. 2020

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