



Specification

Concerning Product:	
Article number	10034998MCF
Trade name / designation / denomination	Magnesiumsulfat 7-Hydrat crystalline
CAS number	10034-99-8
Other names / synonyms	•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;
EC number	600-073-4 231-298-2
Molecular weight [g / mol]	120,37
Formula	MgSO4 MgO4S

Parameter	Specification	Unit
Organoleptic test		
Appearance	grainy, crystalline powder or colourless crystals	
Physical parameter		
Bulk density	979 – 981	g/l
Solubility	(in H2O @ 20°C) 26,2 – 26,4	%
Solubility	easily soluble in water, slowly soluble in glycerin, slightly soluble in alcohol	
Identity		
Assay	≥ 99,5	%
Assay	MgSO4 49,1 – 49,3	%
Identification	complies	
Impurities		
Residue on ignition	40,0 – 52,0	%
Elemental Impurities		
Calcium (Ca)	9,9 – 10,1	ppm
Cadmium (Cd)	≤ 1	ppm
Chlorides (Cl)	59,9 – 60,1	ppm
Mercury (Hg)	≤ 0,1	ppm
Potassium (K)	699 – 701	ppm
Sodium (Na)	34,9 – 35,1	ppm
Lead (Pb)	≤ 4	ppm
Selenium (Se)	≤ 30	ppm

Nutritional data		
Water (Nutrient)	50,6 – 50,8	%
Particle size distribution		
Particles	< 1,0 mm 69,9 – 70,1	%
Particles	d50 0,74 – 0,76	mm

Supplemental information:

Complies with monographie: FCC

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Feb. 2022

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