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SALES SPECIFICATION

Magnesium Sulphate Heptahydrate (MgSO₄ 7H₂O)

Nature of Product

White Crystals

Chemical Analysis

	Typical	Min	Max
Magnesium Sulphate (MgSO ₄)	49.3%	48.0	50.0
Water (H ₂ O)	50.5%	50.0	52.0
Na	45 mg/kg		120
K	800 mg/kg	100	3000
Ca	20 mg/kg		100
Cl	100 mg/kg	10	200
H ₂ O – Insolubles	10 mg/kg		100
Fe	0.15 mg/kg		1
Heavy metals as Pb			5 mg/kg

Granulometry

	Typical
<1mm	65%
d ₅₀ (mm)	0.80 mm

Physical Properties

Bulk Density	ca. 980 kg/m ³
Molecular Weight	246.47 g/mol
Density	1.7 g/cm ³
Solubility in Water	w (MgSO ₄) = 26.3% 20°C (68°F)

Readily soluble, practically without residues; always vigorously stir the salt into water or solution.

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