

Epsom Salt pure, technical

Magnesium Sulphate Heptahydrate (MgSO₄·7H₂O)

min. 99 % MgSO₄, calculated with reference to the dried substance

Nature of Product: white crystals

Chemical Analysis:

	w	typ.	min.	max.
• Magnesium Sulphate (MgSO ₄)	%	49.3	48.0	50.0
• Water (H ₂ O)	%	50.5	50.0	52.0
• Na	mg/kg	45		120
• K	mg/kg	800	100	3,000
• Ca	mg/kg	20		100
• Cl	mg/kg	100	10	200
• H ₂ O-Insolubles	mg/kg	10		100
• Fe	mg/kg	0.15		1
• Heavy metals as Pb	mg/kg			5

Granulometry:

	typical
• < 1 mm	65 %
• d ₅₀	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 % at 20 °C (68 °F)
readily soluble, practically without residues; always vigorously stir the salt into water or solution	

Special characteristics:

Depending on ambient temperature and prevailing relative humidity the product is prone to absorption of water and dehydration, which can result in caking.

Packaging:

- 25 kg bags, Big Bags, bulk