



Technical data sheet

Name	Magnesium Sulfate heptahydrate
Synonym	Epsom salt, English salt, Bitter salts, Bath salts
CAS No.	10034-99-8
EINECS	231-298-2
Molecular formula	MgSO ₄ ·7H ₂ O
Molecular weight	246.47
Appearance	White crystalline powder/crystal
Melting point	1124 °C
Solubility	113 g/100 mL (20 °C)
Bulk density	1.68 g/cm ³
Content (dry basis) %	99.0-100.5
Chlorides ≤%	0.014
Iron ≤%	0.002
Selenium ≤ppm	30
Heavy metal ≤ppm	10
pH (50g/ML solution)	5.0-9.2
Se ≤%	0.003
Loss on Ignition 2h@450 °C ≤%	40.0-52.0