

General Product Informationen

Product Name	S_{ES} 30 %
Trade Name	Brine of Magnesium chloride
Formula	MgCl ₂

Chemical Composition

	Average		Concentration range	
	[g/l]	[%]	[%]	[%]
Magnesium chloride (MgCl ₂)	395	30.0	29.0	
Potassium chloride (KCl)	1.80	0.14		
Sodium chloride (NaCl)	4.50	0.35		
Magnesium sulfate (MgSO ₄)	34.3	2.60		3.00
Calcium sulfate (CaSO ₄)	0.20	0.10		0.20

Demands for Salt Solutions in Germany (DIN EN 16811-2)

	Real Value	Limit Value		Real Value	Limit Value
	[mg/kg]	[mg/kg]		[mg/kg]	[mg/kg]
Arsenic (As)	< 0.10	≤ 2.50	Copper (Cu)	< 0.20	≤ 5.00
Lead (Pb)	< 0.40	≤ 5.00	Nickel (Ni)	< 0.20	≤ 5.00
Cadmium (Cd)	< 0.10	≤ 2.00	Mercury (Hg)	< 0.01	≤ 0.50
Chrome, total (Cr)	< 0.10	≤ 5.00	Zinc (Zn)	< 1.00	≤ 20.0
			Iron (Fe)	< 10.0	Not applicable

Physical and Chemical Data

Density at 20 °C	Corresponds to	pH-value	Specific Heat
1.32 g/cm ³	35 °Be	4 - 7	3.41 MJ / m ³ · K

Properties

Additives	None
Colour	Clear, yellowish / brownish
Solubility	Brine with water in all ratios miscible

