



TECHNICAL DATA SHEET

SODIUM CHLORIDE AR

Common salt, Halite, Rock salt, Saline, Table salt

Article No.	319121000	Molecular Formula	NaCl
H.S. Code	2501.0091	Molecular Weight	58.44
CAS No.	7647-14-5		

Physical Properties

Physical state at 20 °C	Solid
Colour	White crystalline
Odour	Odourless
pH value	6.7-7.3
Melting point [°C]	801°C
Boiling point [°C]	1413°C
Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)
Vapour density	0.62
Density [g/cm ³]	2.16
Solubility in water [% weight]	Soluble in water
Solubility in water	Soluble

Specifications

Assay (after ignition) % 99.5-100.5
pH of 5% solution 5.0 - 8.0
Insoluble matter % Max 0.005
Bromide (Br) % Max 0.005
Iodide (I) % Max 0.001
Ferrocyanide (Fe(CN)₆) % Max 0.0001
Chlorate and Nitrate (NO₃) % Max 0.003
Phosphate (PO₄) % Max 0.0005
Sulfate % Max 0.001
Total Nitrogen (N) % Max 0.0005
Heavy metals (as Pb) % Max 0.0005
Arsenic (As) % Max 0.00004
Barium (Ba) Max 0.001
Calcium (Ca) % Max 0.002
Copper (Cu) % Max 0.0002
Iron (Fe) % Max 0.0002
Magnesium (Mg) % Max 0.001

Magnesium and alkali earth metals (as Ca) % Max 0.01
Potassium (K) % Max 0.005

Safety Information and Hazard Symbols

Hazardous Statement	H303
Precaution Statement	P312