

Technical Datasheet

Article no.: 1367

Sodium chloride p. a., Reag. Ph. Eur., Reag. USP (99.0 – 100.5 %)

NaCl

For laboratory use.

CAS-No: 7647-14-5
Appearance/condition: Colourless crystals or white, crystalline powder
Melting point: 800 °C
Boiling point: 1461 °C
Molar mass: 58.44 g/mol

Parameter	Value
Assay	99.0 – 100.5 %
Identity	complies
Appearance of the solution (20 %)	complies
Moisture content	max. 0.05 %
Acidity (0.01 M NaOH)	max. 0.5 ml
Alkalinity (0.01 M HCl)	max. 0.5 ml
Bromide (Br)	max. 50 ppm
Hexacyanoferrates (Fe(CN) ₆)	max. 0.5 ppm
Iodide (I)	complies
Nitrite (NO ₂) (Absorbance at 354 nm)	max. 0.01
Phosphate (PO ₄)	max. 25 ppm
Sulphate (SO ₄)	max. 150 ppm
Aluminium (Al)	max. 0.2 ppm
Arsenic (As)	max. 0.5 ppm
Heavy metals (as Pb)	max. 5 ppm
Iron (Fe)	max. 0.8 ppm

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Parameter	Value
Barium (Ba)	max. 1 ppm
Calcium (Ca)	max. 20 ppm
Magnesium (Mg)	max. 21 ppm
Potassium (K)	max. 300 ppm
Bulk density	1.2 g/ml
Bacterial endotoxins	max. 5.0 I.U./g
pH	4.5 – 7.0
Without anti-caking agent, tends to harden.	

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