

Certificate of Analysis

Product Name:

**Sodium chloride *PurReagent Plus*,
meets analytical specification of EP & USP, 99.0-100.5%**

Product No.: PSR44451
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7647-14-5
Molecular Formula: NaCl
Molecular Weight: 58.44 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White Crystals	White Crystals
Assay (Calc.to the dried sub.)	99.0-100.5 %	100.35 %
Loss on drying (105°C for 2 h)	NMT 0.50 %	0.03 %
Appearance of the solution	Complies	Complies
Acidity or alkalinity	Complies	Complies
Aluminium (Al)	NMT 0.2 ppm	< 0.2 ppm
Arsenic (As)	NMT 1.0 ppm	< 1.0 ppm
Iron (Fe)	NMT 2.0 ppm	< 2.0 ppm
Potassium (K)	NMT 500.0 ppm	< 500.0 ppm
Bromide (Br)	NMT 0.005 %	< 0.005 %
Barium (Ba)	Complies	Complies
Mg, earth alkali metals (as Ca)	NMT 100.0 ppm	< 100.0 ppm
Heavy metals (as Pb)	NMT 5.0 ppm	< 5.0 ppm
Iodide (I) test	Complies	Complies
Ferrocyanides	Complies	Complies
Nitrite (NO ₂)	Complies	Complies
Phosphate (PO ₄)	NMT 25.0 ppm	< 25.0 ppm
Sulfate (SO ₄)	NMT 200.0 ppm	< 200.0 ppm
Residual Solvents	Complies	Complies
Identification by IR	Conforms to structure	Conforms to structure

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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