

Certificate of Analysis

Product Name:

Sodium chloride Puriss. p.a., ACS **PurReagent, ISO, Reag. Ph. Eur., ≥99.5%**

Product No.: PSR49892
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 Powder	White Powder
Assay (By Titration)	≥ 99.5 %	99.80 %
pH (5% Water, 25°C)	5.0 - 8.0	5.9
Loss on Drying (at 130°C)	NMT 0.2 %	0.015 %
Water Insoluble Matter	NMT 0.005 %	< 0.005 %
Solubility (5% Water, 25°C)	Colorless Clear Solution	Colorless Clear Solution
Aluminium (Al)	NMT 0.2 ppm	< 0.2 ppm
Arsenic (As)	NMT 0.5 ppm	< 0.5 ppm
Barium (Ba)	NMT 0.001 %	< 0.001 %
Calcium (Ca)	NMT 0.002 %	< 0.002 %
Iron (Fe)	NMT 0.0001 %	< 0.0001 %
Potassium (K)	NMT 0.005 %	< 0.005 %
Magnesium (Mg)	NMT 0.0005 %	< 0.0005 %
Heavy Metals (as Pb)	NMT 3 ppm	< 3 ppm
Bromide (Br)	NMT 50 ppm	< 50 ppm
Iodide (I)	NMT 10 ppm	< 10 ppm
Nitrite (NO ₂)	Complies	Complies
Total Nitrogen (N)	NMT 10 ppm	< 10 ppm
Phosphate (PO ₄)	NMT 5 ppm	< 5 ppm
Sulfate (SO ₄)	NMT 10 ppm	< 10 ppm
Traces of Hexacyanoferrate	NMT 1 ppm	< 1 ppm
Free Acid (as HCl)	NMT 0.005 %	< 0.005 %
Free Alkali (as NaOH)	NMT 0.005 %	< 0.005 %

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 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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