

Certificate of Analysis

Product Name:

Hydrochloric acid ACS PurReagent, 36.0%

Product No.: PSR50545
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7647-01-0
Molecular Formula: HCl
Molecular Weight: 36.46 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay (By Titration)	35.5 - 37.0 %	36.50 %
Residue on Ignition	NMT 5.0 ppm	3.0 ppm
Color (APHA)	NMT 10	< 10
Ammonium (NH ₄)	NMT 3.0 ppm	< 3.0 ppm
Aluminium (Al)	NMT 0.3 ppm	< 0.3 ppm
Arsenic (As)	NMT 0.01 %	< 0.01 %
Boron (B)	NMT 0.1 ppm	< 0.1 ppm
Bromide (Br)	NMT 0.005 %	< 0.005 %
Chromium (Cr)	NMT 0.2 ppm	< 0.2 ppm
Copper (Cu)	NMT 0.1 ppm	< 0.1 ppm
Iron (Fe)	NMT 0.1 ppm	< 0.1 ppm
Gold (Au)	NMT 0.1 ppm	< 0.1 ppm
Potassium (K)	NMT 0.3 ppm	< 0.3 ppm
Magnesium (Mg)	NMT 0.3 ppm	< 0.3 ppm
Manganese (Mn)	NMT 0.3 ppm	< 0.3 ppm
Nickel (Ni)	NMT 0.1 ppm	< 0.1 ppm
Lead (Pb)	NMT 0.1 ppm	< 0.1 ppm
Tin (Sn)	NMT 0.3 ppm	< 0.3 ppm
Titanium (Ti)	NMT 0.3 ppm	< 0.3 ppm
Zinc (Zn)	NMT 0.3 ppm	< 0.3 ppm
Free Chlorine (Cl)	NMT 1.0 ppm	< 1.0 ppm
Heavy Metals (as Pb)	NMT 0.1 ppm	< 0.1 ppm
Sulfate (SO ₄)	NMT 1.0 ppm	< 1.0 ppm
Sulfite (SO ₃)	NMT 1.0 ppm	< 1.0 ppm

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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