

Certificate of Analysis

Date of Testing: 2025-03-24 17:29:22

Date of Next Testing: 2028-03-23 17:29:22

Product Name: **Formic acid 98-100%**

CAS Number: 64-18-6

Specifications & Purity: Ph.Eur., Suitable for Analysis, ACS, Premium pure

Lot #: C2520273

SKU #: **F433215**

Version: **1**

Analysis #: **358307**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Hazen	0-10	10.00
Acetic acid(CH ₃ COOH)	0-500 (ppm)	12.30000 ppm
Chloride (Cl-)	0-5 (ppm)	5.00 ppm
Sulfate(SO ₄ 2-)	0-5 (ppm)	5.00 ppm
Sulfite(SO ₃ 2-)	0-10 (ppm)	10.00 ppm
Heavy metals(as Pb)	0-10 (ppm)	10.00 ppm
Silver(Ag)	0-0.02 (ppm)	0.00 ppm
Aluminium(Al)	0-0.05 (ppm)	0.01000 ppm
Barium(Ba)	0-0.05 (ppm)	0.01 ppm
Beryllium(Be)	0-0.02 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.03 ppm
Calcium(Ca)	0-0.2 (ppm)	0.01 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.01 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00 ppm
Chromium(Cr)	0-0.05 (ppm)	0.02600 ppm
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Iron(Fe)	0-2 (ppm)	0.52 ppm
Germanium (Ge)	0-0.05 (ppm)	0.01 ppm
Potassium(K)	0-0.1 (ppm)	0.03 ppm
Lithium(Li)	0-0.02 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.5 (ppm)	0.01 ppm
Manganese(Mn)	0-0.05 (ppm)	0.01 ppm
Molybdenum(Mo)	0-0.02 (ppm)	0.00 ppm
Sodium(Na)	0-0.5 (ppm)	0.01 ppm
Nickel(Ni)	0-0.05 (ppm)	0.01 ppm

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Parameter	Limit Values	Result
Lead(Pb)	0-0.02 (ppm)	0.00 ppm
Ammonium(NH ₄)	0-10 (ppm)	10.00000 ppm
Strontium(Sr)	0-0.02 (ppm)	0.00 ppm
Titanium(Ti)	0-0.1 (ppm)	0.03 ppm
Thallium(Tl)	0-0.05 (ppm)	0.01000 ppm
Vanadium(V)	0-0.05 (ppm)	0.01 ppm
Zinc(Zn)	0-0.05 (ppm)	0.01 ppm
Zirconium(Zr)	0-0.1 (ppm)	0.03 ppm
Evaporation Residue	0-10 (ppm)	10.00 ppm
Assay(Titration)	98-100 (%)	99.90%
Appearance(F433215)	Colorless clear liquid	Colorless clear liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager