

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2024-05-15 16:44:49
Date of Next Testing: 2027-05-15 16:44:49
Product Name: **Formic acid 98-100%**
CAS Number: 64-18-6
Specifications & Purity: 98-100%, Pharmaceutical grade
Lot #: E2414251
SKU #: **F433212**
Analysis: **358510**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Assay (alkalimetric)	98-100.5 (%)	98.87000 %
Density(D 20/20)	1.217-1.223	1.22200
Chromat. purity (Acetic acid/ Impurity A)	0-0.1 (%)	0.02000 %
Chromatographic purity (other impurity)	0-0.1 (%)	0.02000 %
Chromatographic purity (Sum of all other impurities)	0-0.3 (%)	0.20000 %
Chloride (Cl-)	0-0.001 (%)	0.00020 %
Sulfate(SO42-)	0-0.004 (%)	0.00200 %
Sulfite (SO3)	0-0.002 (%)	0.00020 %
Arsenic(As)	0-0.0003 (%)	0.00020 %
Copper(Cu)	0-0.002 (%)	0.00020 %
Lead(Pb)	0-0.001 (%)	0.00020 %
Zinc(Zn)	0-0.002 (%)	0.00020 %
Formaldehyde (HCHO)	0-0.1 (%)	0.02000 %
Oxalic acid (C2H2O4)	0-0.01 (%)	0.00200 %
Residual solvents (ICHQ3C) of class 2 (Methanol)	0-0.3 (%)	0.20000 %
Evaporation Residue	0-0.005 (%)	0.00200 %
Appearance(F433212)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

A handwritten signature in black ink that reads "John Su". The script is fluid and cursive.

John Su
QA & QC Manager