



**ChemPure* Brand
Chemicals**

December 15, 2020

CERIFICATE OF ANALYSIS ...Pure Quality

Product Name: **FORMIC ACID**
Product Number: CP-V9623, CP-L9623
CAS Number: 64-18-6
Lot Number: JL9704
Expire Date: December 31, 2022

LC-MS GRADE, ULTRAPURE
Formula: HCOOH
Formula Weight: 46.03 G/MOL
Storage: Room Temp
MDL: MFCD00003297

	Specifications	Results
Appearance:	Clear Liquid	Clear Liquid
Purity:	≥ 99 %	99.9%
Evaporative Residue	≤ 0.005 %	≤ 0.002 %
Color Test:	≤ 10 APHA	≤ 10 APHA
Assay:	Must Pass	Passes
Refractive Index (20°C, 589 nm):	1.3700 to 1.3720	1.3711
Infrared Spectrometry:	Must Conform	Conforms to Reference
Chlorides (Cl)	≤ 5 ppm	≤ 5 ppm
Sulfites (SO ₃)	≤ 10 ppm	≤ 10 ppm
Sulfates (SO ₄)	≤ 5 ppm	≤ 5 ppm
Lead (Pb)	≤ 0.1 ppm	≤ 0.02 ppm
Copper (Cu)	≤ 0.1 ppm	≤ 0.02 ppm
Cadmium (Cd)	≤ 0.1 ppm	≤ 0.05 ppm
Iron (Fe)	≤ 2 ppm	≤ 0.2 ppm

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It is certified that the above copy is a true copy of the actual lot analysis from the manufacturer.

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