



**ChemPure* Brand
Chemicals**

June 15, 2020

CERIFICATE OF ANALYSIS ...Pure Quality

Product Name: **FORMIC ACID**

LC-MS GRADE, ULTRAPURE

Product Number: CP-V9623, CP-L9623

Formula: HCOOH

CAS Number: 64-18-6

Formula Weight: 46.03 G/MOL

Lot Number: CCJF6324

Storage: Room Temp

Manufactured Date: June 15, 2020

MDL: MFCD00003297

Retest Date: June 15, 2022

	Specifications	Results
Appearance:	Clear Liquid	Clear Liquid
Purity:	≥ 99 %	99.8%
Evaporative Residue	≤ 0.005 %	≤ 0.005 %
Color Test:	≤ 10 APHA	≤ 10 APHA
Assay:	Must Pass	Passes
Refractive Index (20°C, 589 nm):	1.3700 to 1.3720	1.3710
Infrared Spectrometry:	Must Conform	Conforms to Reference
Chlorides (Cl)	≤ 5 ppm	≤ 5 ppm
Sulfites (SO ₃)	≤ 10 ppm	≤ 10 ppm
Sulfates (SO ₄)	≤ 50 ppm	≤ 50 ppm
Lead (Pb)	≤ 0.1 ppm	≤ 0.1 ppm
Copper (Cu)	≤ 0.1 ppm	≤ 0.1 ppm
Cadmium (Cd)	≤ 0.1 ppm	≤ 0.1 ppm
Iron (Fe)	≤ 2 ppm	≤ 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.

Vyto Mekesa, QC Director

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