



**ChemPure\* Brand  
Chemicals**

## CERTIFICATE OF ANALYSIS..Pure Quality

Product Name: **FORMIC ACID**  
Product Number: CP-L9623  
CAS Number: 64-18-6  
Lot Number: KJ3021  
Expire Date: September 15, 2023

**LC-MS GRADE, ULTRAPURE**  
Formula: HCOOH  
Formula Weight: 46.03 G/MOL  
Storage: Room Temp  
Date: September 15, 2021

	<b>Specifications</b>	<b>Results</b>
Appearance:	Clear Liquid	Clear Liquid
Purity:	≥ 99 %	99.8%
Evaporative Residue	≤ 0.005 %	≤ 0.003 %
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 <sub>3</sub> )	≤ 10 ppm	≤ 10 ppm
Sulfates (SO <sub>4</sub> )	≤ 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 of analysis from the manufacturer.

Jorge L. Villanueva, Ph.D., General Manager

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