



**ChemPure* Brand
Chemicals**

CERTIFICATE OF ANALYSIS..Pure Quality

Product Name: **FORMIC ACID**

LC-MS GRADE, ULTRAPURE

Product Number: CP-L9623

Formula: HCOOH

CAS Number: 64-18-6

Formula Weight: 46.03 G/MOL

Lot Number: KK3151

Storage: Room Temp

Expire Date: October 1, 2023

Date: October 8, 2021

	Specifications	Results
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 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

Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, are recommendation to infringe any existing patents or to violate any Federal, State, Local or foreign laws.

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

SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM

ChemPure Brand Chemicals • P: 440.725.2802 • F: 734.405.6623 • 39103 Warren Rd., Westland, MI 48185