



Certificate of Analysis

Product Name: Formic Acid
 Grade: LC-MS grade, UltraPure
 Chemical Formula: HCOOH
 Formula Weight: 46.03 g/mol
 Release Date: Aug-07-2023

Product Code: CP-L9636
 Lot #N2140CP
 CAS# 64-18-6
 Density: 1.22 g/mL
 Retest Date: Aug-01-2026

Analytical Results		
Tests	Specs	Results
Assay (acidimetry)	>97.5%	99.4%
Color (APHA)	max. 15	< 15
Ag (Silver)	max. 20 ppb	< 20ppb
Al (Aluminum)	max. 50ppb	< 50 ppb
Ba (Barium)	max. 50 ppb	< 50 ppb
Bi (Bismuth)	max. 100 ppb	< 100 ppb
Ca (Calcium)	max. 200 ppb	< 200 ppb
Cd (Cadmium)	max. 50 ppb	< 50 ppb
Co (Cobalt)	max. 20 ppb	< 20 ppb
Cr (Chromium)	max. 50 ppb	< 50 ppb
Cu (Copper)	max. 20 ppb	< 20 ppb
Fe (Iron)	max. 200 ppb	< 200 ppb
K (Potassium)	max. 100 ppb	< 100 ppb
Li (Lithium)	max. 20 ppb	< 20 ppb
Mg (Magnesium)	max. 500 ppb	< 500 ppb
Mn (Manganese)	max. 50 ppb	< 50 ppb
Mo (Molybdenum)	max. 20 ppb	< 20 ppb
Na (Sodium)	max. 500 ppb	< 500 ppb
Ni (Nickel)	max. 50 ppb	< 50 ppb
Pb (Lead)	max. 20 ppb	< 20 ppb
Sr (Strontium)	max. 20 ppb	< 20 ppb
Tl (Thallium)	max. 50 ppb	< 50 ppb
Zn (Zinc)	max. 50 ppb	< 50 ppb
NH ₄ ⁺ (Ammonium)	max. 10 ppm	< 10 ppm
Cl (Chloride)	max. 5 ppm	< 5 ppm
SO ₄ (Sulfate)	max. 5 ppm	< 5 ppm
SO ₃ (Sulfite)	max. 10 ppm	< 10 ppm
Suitability for the LC-MS	complying	complying
Appearance of the solution	complying	complying
Refractive Index (n _{20/D})	1.370 – 1.372	1.3712
Non-volatile matter	max. 20 ppm	< 20 ppm

L= 50mL

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.