Certificate of Analysis

Product Name: Formic Acid
Grade: LC-MS grade, UltraPure
Chemical Formula: HCOOH
Formula Weight: 46.03 g/mol
Release Date: July-18-2025

Product Code: CP-V9623
Lot #O6007
CAS# 64-18-6
Density: 1.22 g/mL
Retest Date: July-17-2027

Analytical Results		
Tests	**Specs**	**Results**
Assay (acidimetry)	>97.5%	99.7%
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
SO4 (Sulfate)	max. 5 ppm	< 5 ppm
SO3 (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

V= 1mL

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