

Certificate of Analysis

Formic acid For mass spectrometry, >98%

Product Number	PSR43583	CAS No.	64-18-6
Brand	PureSynth	Lot No.	F43583H0425
Molecular Formula	CH ₂ O ₂	Date of Mfg.	April,2025
Molecular Weight	46.03 g/mol	Date of Exp.	March,2028

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	≥ 98.0 %	98.8 %
Water (by KF)	NMT 2.5 %	Conforms
APHA	NMT 15	Conforms
Silver (Ag)	NMT 0.02 ppm	< 0.02 ppm
Aluminium (Al)	NMT 0.05 ppm	< 0.05 ppm
Barium (Ba)	NMT 0.05 ppm	< 0.05 ppm
Bismuth (Bi)	NMT 0.1 ppm	< 0.1 ppm
Calcium (Ca)	NMT 0.2 ppm	< 0.2 ppm
Cadmium (Cd)	NMT 0.05 ppm	< 0.05 ppm
Cobalt (Co)	NMT 0.05 ppm	< 0.05 ppm
Chromium (Cr)	NMT 0.05 ppm	< 0.05 ppm
Copper (Cu)	NMT 0.02 ppm	< 0.02 ppm

Iron (Fe)	NMT 0.2 ppm	< 0.2 ppm
Potassium (K)	NMT 0.1 ppm	< 0.1 ppm
Lithium (Li)	NMT 0.02 ppm	< 0.02 ppm
Magnesium (Mg)	NMT 0.5 ppm	< 0.5 ppm
Manganese (Mn)	NMT 0.05 ppm	< 0.05 ppm
Molybdenum (Mo)	NMT 0.02 ppm	< 0.02 ppm
Sodium (Na)	NMT 0.5 ppm	< 0.5 ppm
Nickel (Ni)	NMT 0.05 ppm	< 0.05 ppm
Lead (Pb)	NMT 0.02 ppm	< 0.02 ppm
Strontium (Sr)	NMT 0.02 ppm	< 0.02 ppm
Thallium (Tl)	NMT 0.05 ppm	< 0.05 ppm
Zinc (Zn)	NMT 0.05 ppm	< 0.05 ppm
Chloride (Cl)	NMT 5 ppm	< 5 ppm
Sulfate (SO ₄)	NMT 5 ppm	< 5 ppm
Sulfite (SO ₃)	NMT 10 ppm	< 10 ppm
Ammonium (NH ₄)	NMT 10 ppm	< 10 ppm

Condition: Store at room temperature and keep the container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

Approved By
Head - Technical

This is a computer-generated report -does not required sign