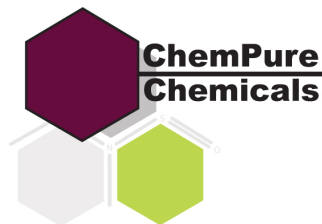


# Certificate of Analysis



PRODUCT NAME: **Formic Acid, 88.0-91%**  
ACS/Reagent

CHEMICAL FORMULA: CH<sub>2</sub>O<sub>2</sub>

Cust-Product Code: CP-A0613P  
EC Number: 200-579-1  
Lot Number: MKCR4529  
F.W.: 46.0300  
CAS No: 64-18-6  
Density: 1.20

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Assay (CH <sub>2</sub> O <sub>2</sub> )	88.0 - 98.0%	89.6%
Acetic acid (CH <sub>3</sub> COOH)	0.4% max.10	<0.4%
Color (APHA)	max. Hazen10	<10 max. Hazen
Evaporation Residue	20 ppm max.	20 ppm
Dilution test	Passes Test	Passes Test
Chloride (Cl)	10 ppm max.	<10 ppm
Sulfite (SO <sub>3</sub> )	Pass	Pass
Sulfate (SO <sub>4</sub> )	20 ppm max.	<20 ppm
Heavy Metals (by ICP)	5 ppm max.	<1 ppm
Acetic acid percent	0.4% max.	<0.4%
Ammonium (NH <sub>4</sub> )	50 ppm max.	<50 ppm
Iron (Fe)	5 ppm max.	<5 ppm
FTIR spectrum	Conforms	Conforms
Manufacture date		06/22/2022
Re-Test date		06/21/2024

This is a copy of the original certificate of analysis.

CHEMICAL PROCESSORS AND PACKAGERS OF ELECTRONIC GRADE HIGH PURITY  
ACIDS / BLENDS / REAGENTS / SOLUTIONS

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