



Product Specification

Product Name: FORMIC ACID 90% AR

Alternate Name(s) Methanoic acid, formylic acid.

Description

Clear, colourless liquid. Miscible with water.

Properties

Chemical Formula:

Molecular Weight: 46.03

Product Code: FA040

CAS No. 64-18-6

General Information:

Analytical chemistry, synthesis of organic products, in the rubber industry, acidifying agents, cosmetics.

Hazard and Safety Data

UN Group: II
Class: 8
UN Number: 1779
Hazchem code: 2X
CS MSDS Code: 1CH2U
Poison schedule: S5
Emergency Procedure Guide No.: 36

Quality Specification

Assay: 89.5 - 90.5%

Specific Properties and Impurities [Typical levels]:

Residue on evaporation	≤ 0,001%
Colour (Hazen)	≤ 10
Acetic acid (CH ₃ COOH)	≤ 0.05%
Chlorides (Cl)	≤ 0.0005%
Sulfates (SO ₄)	≤ 0.0005%
Sulfites (SO ₃)	≤ 0.001%
Heavy metals (as Pb)	≤ 0.0005%
Ammonium (NH ₄)	≤ 0.001%
Non-volatile matter	≤ 0.001%
Dilution test	Passes test
Aluminium (Al)	≤ 0.000005%
Barium (Ba)	≤ 0.000005%
Beryllium (Be)	≤ 0.000002%
Bismuth (Bi)	≤ 0.00001%
Cadmium (Cd)	≤ 0.000005%
Calcium (Ca)	≤ 0.00002%
Chromium (Cr)	≤ 0.000005%
Cobalt (Co)	≤ 0.000002%
Copper (Cu)	≤ 0.000002%
Germanium (Ge)	≤ 0.000005%
Iron (Fe)	≤ 0.0002%
Lead (Pb)	≤ 0.000002%
Lithium (Li)	≤ 0.000002%
Magnesium (Mg)	≤ 0.00005%
Manganese (Mn)	≤ 0.000005%
Molybdenum (Mo)	≤ 0.000002%

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Nickel (Ni)	≤ 0.000005%
Potassium (K)	≤ 0.00001%
Silver (Ag)	≤ 0.000002%
Sodium (Na)	≤ 0.00005%
Strontium (Sr)	≤ 0.000002%
Thallium (Tl)	≤ 0.000005%
Titanium (Ti)	≤ 0.00001%
Vanadium (V)	≤ 0.000005%
Zinc (Zn)	≤ 0.000005%
Zirconium (Zr)	≤ 0.00001%

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