

Formic Acid 99%, ULC-MS

HCOOH	FW. 46.03	Density 1 L = 1.22 Kg.
CAS-No.	64-18-6	Melting Point 8.5 °C
Code	UM1481	Boiling Point 100.80 °C

Specifications

Assay (by acidimetry)	99.00%	min.
Appearance	Clear and colorless liquid	
Color (APHA)	10	max.
Water (by Coulometry)	1%	max.
Residue on Evaporation	0.0001%	max.
Ammonium (NH ₄)	0.001%	max.
Chloride (Cl)	0.0005%	max.
Sulfate (SO ₄)	0.003%	max.
Sulfite (SO ₃)	0.002%	max.
UV Absorbance (0.1%)		
254 nm	0.01	AU max.
230 nm	0.55	AU max.
220 nm	0.85	AU max.
210 nm	1.25	AU max.
Gradient Specification		
at 254 nm	2	mAU max.
Fluorescence (0.1% as quinine)		
at 254 nm	0.5	ppb max.
at 365 nm	0.5	ppb max.
Aluminium (Al)	10	ppb max.
Calcium (Ca)	50	ppb max.
Copper (Cu)	10	ppb max.
Iron (Fe)	20	ppb max.
Lead (Pb)	5	ppb max.
Magnesium (Mg)	10	ppb max.
Manganese (Mn)	5	ppb max.
Nickel (Ni)	5	ppb max.
Potassium (K)	20	ppb max.
Silver (Ag)	10	ppb max.
Sodium (Na)	50	ppb max.
Zinc (Zn)	10	ppb max.
Suitable for LC-MS (ESI positive as Reserpine)	2	ppb max.
Suitable for LC-MS (ESI negative as Reserpine)	20	ppb max.

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