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Certified ISO 9001:2015

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CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Formic acid 99% ULC/MS - CC/SFC 500 ML

Synonym: Methanoic acid, Formylic acid.



Article no : 0006914144BS

CAS 64-18-6

M.P. 4 °C

Lot#: 0010010986

EC NO 200-579-1

B.P. 101 °C

Grade: ULC/MS - CC/SFC

FW CH2O2

MW 46.02

DENSITY 1.220

UN 1779,8,II

Test	Specification	Result
Clear colorless liquid	Complying	Complying
Color (APHA Pt-Co)	<= 10	10
Assay (T dry)	99.0 - 101.0 %w/w	101.0 %w/w
Water (KF)	<= 1 %w/w	< 1 %w/w
UHPLC/MS ESI/APCI+ (0.1% as Reserpine)	<= 20 ppb	< 10 ppb
Grad. elution H.Peak at 254nm	<= 0.002 AU	0.001 AU
Grad. elution drift at 254nm	<= 0.010 AU	0.010 AU
UV Trans. 260nm	>= 15 %	41 %
UV Trans. 270nm	>= 83 %	95 %
UV Trans. 280nm	>= 90 %	98 %
UV Trans. 300nm	>= 97 %	99 %
UV Trans. 320nm	>= 98 %	99 %
Fluorescence 254nm (0.1% as Quinine)	<= 0.5 ppb	< 0.5 ppb
Fluorescence 365nm (0.1% as Quinine)	<= 0.5 ppb	< 0.5 ppb
Aluminum (Al)	<= 0.05 ppm	< 0.05 ppm
Calcium (Ca)	<= 0.2 ppm	< 0.2 ppm
Iron (Fe)	<= 0.2 ppm	< 0.2 ppm
Potassium (K)	<= 0.1 ppm	< 0.1 ppm
Magnesium (Mg)	<= 0.05 ppm	< 0.05 ppm
Sodium (Na)	<= 0.5 ppm	< 0.5 ppm
Lead (Pb)	<= 0.2 ppm	< 0.2 ppm
Residue after evaporation	<= 0.001 %w/w	< 0.001 %w/w

Filtered through 0.2um, filled under inert gas.

Manufacturing Date : 02/2023

Expiration Date : 02/2026

TERMS OF SALE:

SELLERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVEN TO BE DEFECTIVE. SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE, MISUSE, OR THE INABILITY TO USE THE PRODUCT. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE AND SHALL ASSUME ALL LIABILITY IN CONNECTION THEREWITH.

Store in a cool and ventilated place. Open containers periodically to release internal pressure.

Our COA's are computer printouts and therefore valid without signature.

SDS is available on our website.

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Ph.D. QC