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CERTIFICATE OF ANALYSIS

AC1083_22843401/1

Product Formic acid, solution 90,1% $\pm$ 0,1% w/w, for analysis, ExpertQ®

Batch 22843401

AC1083

Quality release date 02/06/2022

Expiry date 05/2025

Analysis	Batch value	Specifications
Assay (Acidimetric)	90,19 %	90,0 - 90,2
Colour (Hazen)	3	$\leq$ 10
Acetic acid (CH ₃ COOH)	< 0,05 %	$\leq$ 0,05
Chlorides (Cl)	< 0,0005 %	$\leq$ 0,0005
Sulfates (SO ₄)	< 0,0005 %	$\leq$ 0,0005
Sulfites (SO ₃)	< 0,001 %	$\leq$ 0,001
Aluminium (Al)	< 0,05 ppm	$\leq$ 0,05
Ammonium (NH ₄)	< 0,001 %	$\leq$ 0,001
Barium (Ba)	< 0,05 ppm	$\leq$ 0,05
Beryllium (Be)	< 0,02 ppm	$\leq$ 0,02
Bismuth (Bi)	< 0,1 ppm	$\leq$ 0,1
Cadmium (Cd)	< 0,05 ppm	$\leq$ 0,05
Calcium (Ca)	< 0,2 ppm	$\leq$ 0,2
Chromium (Cr)	< 0,05 ppm	$\leq$ 0,05
Cobalt (Co)	< 0,02 ppm	$\leq$ 0,02
Copper (Cu)	< 0,02 ppm	$\leq$ 0,02
Germanium (Ge)	< 0,05 ppm	$\leq$ 0,05
Heavy metals (as Pb)	< 5 ppm	$\leq$ 5
Iron (Fe)	< 2 ppm	$\leq$ 2
Lead (Pb)	< 0,02 ppm	$\leq$ 0,02
Lithium (Li)	< 0,02 ppm	$\leq$ 0,02
Magnesium (Mg)	< 0,5 ppm	$\leq$ 0,5
Manganese (Mn)	< 0,05 ppm	$\leq$ 0,05
Molybdenum (Mo)	< 0,02 ppm	$\leq$ 0,02
Nickel (Ni)	< 0,05 ppm	$\leq$ 0,05
Potassium (K)	< 0,1 ppm	$\leq$ 0,1
Silver (Ag)	< 0,02 ppm	$\leq$ 0,02
Sodium (Na)	< 0,5 ppm	$\leq$ 0,5
Strontium (Sr)	< 0,02 ppm	$\leq$ 0,02
Thallium (Tl)	< 0,05 ppm	$\leq$ 0,05
Titanium (Ti)	< 0,1 ppm	$\leq$ 0,1
Vanadium (V)	< 0,05 ppm	$\leq$ 0,05
Zinc (Zn)	< 0,05 ppm	$\leq$ 0,05
Zirconium (Zr)	< 0,1 ppm	$\leq$ 0,1
Dilution test	passes test	passes test
Residue on evaporation	< 0,001 %	$\leq$ 0,001

For laboratory use only

Results marked with # are out of specifications.
This certificate does not exempt the user from checking the results upon receipt of the goods.
Any copy of our CoA may be obtained from our website at www.scharlab.com

Ricard Balladares Abella
Laboratory Technician