

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AL0321_24012409/1**

Product	2-Propanol, Multisolvant® HPLC grade ACS ISO UV -VIS	Batch	24012409
AL0321		Quality release date	24/07/2023
		Expiry date	07/2028

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,8
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7852 g/mL	0,784 - 0,786
Appearance	clear	clear
Colour (Hazen)	2	≤ 10
Solubility in water	passes test	passes test
Acidity	0,00006 meq/g	≤ 0,0001
Alkalinity	0,000001 meq/g	≤ 0,0001
Chlorides (Cl)	< 0,00003 %	≤ 0,00003
Nitrates (NO ₃)	< 0,00003 %	≤ 0,00003
Phosphates (as PO ₄)	< 0,00005 %	≤ 0,00005
Sulfates (SO ₄)	< 0,0001 %	≤ 0,0001
Aluminium (Al)	< 0,1 ppm	≤ 0,1
Antimony (Sb)	< 0,02 ppm	≤ 0,02
Arsenic (As)	< 0,02 ppm	≤ 0,02
Barium (Ba)	< 0,01 ppm	≤ 0,01
Beryllium (Be)	< 0,02 ppm	≤ 0,02
Bismuth (Bi)	< 0,1 ppm	≤ 0,1
Boron (B)	< 0,02 ppm	≤ 0,02
Cadmium (Cd)	< 0,01 ppm	≤ 0,01
Calcium (Ca)	< 0,1 ppm	≤ 0,1
Chromium (Cr)	< 0,02 ppm	≤ 0,02
Cobalt (Co)	< 0,02 ppm	≤ 0,02
Copper (Cu)	< 0,02 ppm	≤ 0,02
Gallium (Ga)	< 0,02 ppm	≤ 0,02
Gold (Au)	< 0,02 ppm	≤ 0,02
Indium (In)	< 0,02 ppm	≤ 0,02
Iron (Fe)	< 0,1 ppm	≤ 0,1
Lead (Pb)	< 0,1 ppm	≤ 0,1
Magnesium (Mg)	< 0,02 ppm	≤ 0,02
Manganese (Mn)	< 0,02 ppm	≤ 0,02
Molybdenum (Mo)	< 0,02 ppm	≤ 0,02
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Platinum (Pt) ppm	< 0,02 ppm	≤ 0,02
Silver (Ag)	< 0,02 ppm	≤ 0,02
Thallium (Tl)	< 0,02 ppm	≤ 0,02
Tin (Sn)	< 0,1 ppm	≤ 0,1
Titanium (Ti)	< 0,02 ppm	≤ 0,02
Vanadium (V)	< 0,02 ppm	≤ 0,02
Zinc (Zn)	< 0,01 ppm	≤ 0,01

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.comSara Garcia Maldonado
Laboratory Technician

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Analysis	Batch value	Specifications
Zirconium (Zr)	< 0,02 ppm	≤ 0,02
Acetone (G.C.)	< 0,0020 %	≤ 0,01
Ethanol (G.C.)	0,0023 %	≤ 0,01
Isopropylether (G.C.)	< 0,0050 %	≤ 0,01
Methanol (G.C.)	< 0,0010 %	≤ 0,01
n-Propanol (G.C.)	0,0055 %	≤ 0,1
Carbonyl compounds (as CO)	< 0,002 %	≤ 0,002
Substances reducing KMnO ₄	passes test	passes test
Substances darkened by H ₂ SO ₄	passes test	passes test
Residue on evaporation	0,0001 %	≤ 0,0002
Water (K.F.)	0,0201 %	≤ 0,05
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	51,89 %	≥ 10
min. transmission at 217 nm	91,95 %	≥ 50
min. transmission at 232 nm	97,41 %	≥ 80
min. transmission at 242 nm	98,89 %	≥ 90
min. transmission at 260 nm	99,74 %	≥ 98
max. absorbance at 207 nm	0,285 AU	≤ 1,000
max. absorbance at 217 nm	0,036 AU	≤ 0,301
max. absorbance at 232 nm	0,011 AU	≤ 0,097
max. absorbance at 242 nm	0,005 AU	≤ 0,046
max. absorbance at 260 nm	0,001 AU	≤ 0,009

Microfiltered through membranes of pore diameter 0,22 µm.

For laboratory use only.

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