

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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CERTIFICATE OF ANALYSIS**AL0321_24303009/1**

Product	2-Propanol, Multisolvant® HPLC grade ACS ISO UV -VIS	Batch	24303009
AL0321		Quality release date	16/11/2023
		Expiry date	11/2028

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)	3	≤ 10
Solubility in water	passes test	passes test
Acidity	0,00006 meq/g	≤ 0,0001
Alkalinity	< 0,0001 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.com

Marta Martinez Casals
Laboratory Technician

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AL0321		Quality release date	16/11/2023
		Expiry date	11/2028

Analysis	Batch value	Specifications
Zirconium (Zr)	< 0,02 ppm	≤ 0,02
Acetone (G.C.)	< 0,002 %	≤ 0,01
Ethanol (G.C.)	0,0020 %	≤ 0,01
Isopropylether (G.C.)	< 0,001 %	≤ 0,01
Methanol (G.C.)	< 0,001 %	≤ 0,01
n-Propanol (G.C.)	0,0053 %	≤ 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.)	0,0312 %	≤ 0,05
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	43,24 %	≥ 10
min. transmission at 217 nm	86,61 %	≥ 50
min. transmission at 232 nm	95,97 %	≥ 80
min. transmission at 242 nm	98,70 %	≥ 90
min. transmission at 260 nm	99,88 %	≥ 98
max. absorbance at 207 nm	0,364 AU	≤ 1,000
max. absorbance at 217 nm	0,062 AU	≤ 0,301
max. absorbance at 232 nm	0,018 AU	≤ 0,097
max. absorbance at 242 nm	0,006 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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Marta Martinez Casals
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