

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**ME0315_22313807/1**

Product Methanol, Multisolvant® HPLC grade ACS ISO UV-VIS K.F.

Batch 22313807

ME0315

Quality release date 15/12/2021

Expiry date 12/2026

Analysis	Batch value	Specifications
Assay (G.C.)	99,97 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/20°)	0,7928 g/mL	0,791 - 0,793
Appearance	clear	clear
Colour (Hazen)	2	≤ 10
Boiling point	64 - 65 ° C	64 - 65
Solubility in water	passes test	passes test
Acidity	0,00013 meq/g	≤ 0,0002
Alkalinity	0,00002 meq/g	≤ 0,0002
Chlorides (Cl)	< 0,5 ppm	≤ 0,5
Sulfates (SO4)	< 1 ppm	≤ 1
Aluminium (Al)	< 0,1 ppm	≤ 0,1
Arsenic (As)	< 0,02 ppm	≤ 0,02
Barium (Ba)	< 0,1 ppm	≤ 0,1
Beryllium (Be)	< 0,02 ppm	≤ 0,02
Bismuth (Bi)	< 0,02 ppm	≤ 0,02
Boron (B)	< 0,02 ppm	≤ 0,02
Cadmium (Cd)	< 0,05 ppm	≤ 0,05
Calcium (Ca)	< 0,5 ppm	≤ 0,5
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
Lithium (Li)	< 0,05 ppm	≤ 0,05
Magnesium (Mg)	< 0,1 ppm	≤ 0,1
Manganese (Mn)	< 0,02 ppm	≤ 0,02
Molybdenum (Mo)	< 0,02 ppm	≤ 0,02
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Platinum (Pt) ppm	< 0,05 ppm	≤ 0,05
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)	< 0,1 ppm	≤ 0,1
Zirconium (Zr)	< 0,02 ppm	≤ 0,02
Carbonyl compounds (as CO)	< 0,001 %	≤ 0,001

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.comMarta Martinez Casals
Laboratory Technician

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Carbonyl compounds	passes test	passes test
Substances darkened by H ₂ SO ₄	passes test	passes test
Substances reducing KMnO ₄	passes test	passes test
Residue on evaporation	1,0 ppm	≤ 2
Water (K.F.)	0,0054 %	≤ 0,03
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	50,13 %	≥ 10
min. transmission at 210 nm	67,93 %	≥ 20
min. transmission at 220 nm	88,67 %	≥ 50
min. transmission at 225 nm	92,51 %	≥ 68
min. transmission at 230 nm	95,05 %	≥ 74
min. transmission at 240 nm	97,95 %	≥ 80
min. transmission at 250 nm	98,97 %	≥ 96
min. transmission between 260 and 400 nm	99,36 %	≥ 98
max. absorbance at 207 nm	0,300 AU	≤ 1,000
max. absorbance at 210 nm	0,168 AU	≤ 0,700
max. absorbance at 220 nm	0,052 AU	≤ 0,300
max. absorbance at 225 nm	0,034 AU	≤ 0,170
max. absorbance at 230 nm	0,022 AU	≤ 0,130
max. absorbance at 240 nm	0,009 AU	≤ 0,100
max. absorbance at 250 nm	0,004 AU	≤ 0,020
max. absorbance at 260 - 400 nm	0,003 AU	≤ 0,010

Microfiltered through membranes of pore diameter 0,22 µm.

For laboratory use only.

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Marta Martinez Casals
Laboratory Technician