

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**ME0315_22513907/1**

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

Batch 22513907

ME0315

Quality release date 15/02/2022

Expiry date 02/2027

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)	3	≤ 10
Boiling point	64 - 65 ° C	64 - 65
Solubility in water	passes test	passes test
Acidity	0,00019 meq/g	≤ 0,0002
Alkalinity	0,00003 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	1,3 ppm	≤ 2
Water (K.F.)	0,0029 %	≤ 0,03
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	35,74 %	≥ 10
min. transmission at 210 nm	50,97 %	≥ 20
min. transmission at 220 nm	79,13 %	≥ 50
min. transmission at 225 nm	86,44 %	≥ 68
min. transmission at 230 nm	91,27 %	≥ 74
min. transmission at 240 nm	96,63 %	≥ 80
min. transmission at 250 nm	98,78 %	≥ 96
min. transmission between 260 and 400 nm	99,31 %	≥ 98
max. absorbance at 207 nm	0,447 AU	≤ 1,000
max. absorbance at 210 nm	0,293 AU	≤ 0,700
max. absorbance at 220 nm	0,102 AU	≤ 0,300
max. absorbance at 225 nm	0,063 AU	≤ 0,170
max. absorbance at 230 nm	0,040 AU	≤ 0,130
max. absorbance at 240 nm	0,015 AU	≤ 0,100
max. absorbance at 250 nm	0,005 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