

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**ME0315_21646607/1**

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

Batch 21646607

ME0315

Quality release date 31/03/2021

Expiry date 03/2026

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/20°)	0,7929 g/mL	0,791 - 0,793
Appearance	clear	clear
Colour (Hazen)	2	≤ 10
Boiling point	64,3 ° 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	1,0 ppm	≤ 2
Water (K.F.)	0,0052 %	≤ 0,03
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	51,00 %	≥ 10
min. transmission at 210 nm	69,61 %	≥ 20
min. transmission at 220 nm	89,67 %	≥ 50
min. transmission at 225 nm	93,00 %	≥ 68
min. transmission at 230 nm	95,33 %	≥ 74
min. transmission at 240 nm	97,84 %	≥ 80
min. transmission at 250 nm	98,75 %	≥ 96
min. transmission between 260 and 400 nm	98,83 %	≥ 98
max. absorbance at 207 nm	0,292 AU	≤ 1,000
max. absorbance at 210 nm	0,157 AU	≤ 0,700
max. absorbance at 220 nm	0,047 AU	≤ 0,300
max. absorbance at 225 nm	0,032 AU	≤ 0,170
max. absorbance at 230 nm	0,021 AU	≤ 0,130
max. absorbance at 240 nm	0,009 AU	≤ 0,100
max. absorbance at 250 nm	0,005 AU	≤ 0,020
max. absorbance at 260 - 400 nm	0,005 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