

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS

Product	Methanol, Multisolvant® HPLC grade ACS ISO UV-VIS K.F.	Batch	20628307
ME0315		Quality release date	11/03/2020
		Expiry date	03/2025
Analysis	Batch value	Specifications	
Assay (G.C.)	99,98 %	≥ 99,9	
Identity (IR-Spectrum)	passes test	passes test	
Density (20°/20°)	0,7930 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	0,00018 meq/g	≤ 0,0002	
Alkalinity	0,00001 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.comSara Garcia Maldonado
Laboratory Technician

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

Batch 20628307

ME0315

Quality release date 11/03/2020

Expiry date 03/2025

Analysis	Batch value	Specifications
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.)	0,0068 %	≤ 0,03
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	21,27 %	≥ 10
min. transmission at 210 nm	32,73 %	≥ 20
min. transmission at 220 nm	58,95 %	≥ 50
min. transmission at 225 nm	69,21 %	≥ 68
min. transmission at 230 nm	77,82 %	≥ 74
min. transmission at 240 nm	90,00 %	≥ 80
min. transmission at 250 nm	96,00 %	≥ 96
min. transmission between 260 and 400 nm	98,00 %	≥ 98
max. absorbance at 207 nm	0,672 AU	≤ 1,000
max. absorbance at 210 nm	0,485 AU	≤ 0,700
max. absorbance at 220 nm	0,230 AU	≤ 0,300
max. absorbance at 225 nm	0,160 AU	≤ 0,170
max. absorbance at 230 nm	0,109 AU	≤ 0,130
max. absorbance at 240 nm	0,046 AU	≤ 0,100
max. absorbance at 250 nm	0,018 AU	≤ 0,020
max. absorbance at 260 - 400 nm	0,009 AU	≤ 0,010

Microfiltered through membranes of pore diameter 0,22 µm.

For laboratory use only.

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