

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS

Product	Methanol, Multisolvant® HPLC grade ACS ISO UV-VIS K.F.	Batch	20026507
ME0315		Quality release date	22/07/2019
		Expiry date	07/2024
Analysis	Batch value	Specifications	
Assay (G.C.)	99,99 %	≥ 99,9	
Identity (IR-Spectrum)	passes test	passes test	
Density (20°/4°)	0,7914 g/mL	0,790 - 0,792	
Appearance	Clear	clear	
Colour (Hazen)	1	≤ 10	
Solubility in water	passes test	passes test	
Acidity	0,00006 meq/g	≤ 0,0002	
Alkalinity	0,00001 meq/g	≤ 0,0002	
Chlorides (Cl)	< 0,00005 %	≤ 0,00005	
Sulfates (SO4)	< 0,0001 %	≤ 0,0001	
Aluminium (Al)	< 0,00001 %	≤ 0,00001	
Arsenic (As)	< 0,000002 %	≤ 0,000002	
Barium (Ba)	< 0,000001 %	≤ 0,000001	
Beryllium (Be)	< 0,000002 %	≤ 0,000002	
Bismuth (Bi)	< 0,000002 %	≤ 0,000002	
Boron (B)	< 0,000002 %	≤ 0,000002	
Cadmium (Cd)	< 0,000001 %	≤ 0,000001	
Calcium (Ca)	< 0,00003 %	≤ 0,00003	
Chromium (Cr)	< 0,000002 %	≤ 0,000002	
Cobalt (Co)	< 0,000002 %	≤ 0,000002	
Copper (Cu)	< 0,000002 %	≤ 0,000002	
Gallium (Ga)	< 0,000002 %	≤ 0,000002	
Gold (Au)	< 0,000002 %	≤ 0,000002	
Indium (In)	< 0,000002 %	≤ 0,000002	
Iron (Fe)	< 0,000002 %	≤ 0,000002	
Lead (Pb)	< 0,00001 %	≤ 0,00001	
Lithium (Li)	< 0,000005 %	≤ 0,000005	
Magnesium (Mg)	< 0,00001 %	≤ 0,00001	
Manganese (Mn)	< 0,000001 %	≤ 0,000001	
Molybdenum (Mo)	< 0,000002 %	≤ 0,000002	
Nickel (Ni)	< 0,000002 %	≤ 0,000002	
Platinum (Pt)	< 0,000005 %	≤ 0,000005	
Silver (Ag)	< 0,000002 %	≤ 0,000002	
Thallium (Tl)	< 0,000002 %	≤ 0,000002	
Tin (Sn)	< 0,00001 %	≤ 0,00001	
Titanium (Ti)	< 0,000002 %	≤ 0,000002	
Vanadium (V)	< 0,000002 %	≤ 0,000002	
Zinc (Zn)	< 0,000001 %	≤ 0,000001	
Zirconium (Zr)	< 0,000002 %	≤ 0,000002	
Acetone (G.C.)	< 0,001 %	≤ 0,001	
Ethanol (G.C.)	0,0008 %	≤ 0,05	

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

M. Canet
Laboratory Manager

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CERTIFICATE OF ANALYSIS

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

Batch 20026507

ME0315

Quality release date 22/07/2019

Expiry date 07/2024

Analysis	Batch value	Specifications
Aldehydes and ketones (as C ₂ H ₅ CHO)	< 0,001 %	≤ 0,001
Acetaldehyde (CH ₃ CHO)	< 0,001 %	≤ 0,001
Formaldehyde	< 0,0001 %	≤ 0,0001
Carbonyl compounds (as CO)	< 0,001 %	≤ 0,001
Substances darkened by H ₂ SO ₄	passes test	passes test
Substances reducing KMnO ₄	passes test	passes test
Residue on evaporation	0,0001 %	≤ 0,0002
Water (K.F.)	0,020 %	≤ 0,03
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 207 nm	35,96 %	≥ 10
min. transmission at 220 nm	79,55 %	≥ 50
min. transmission at 232 nm	91,54 %	≥ 80
min. transmission at 242 nm	96,43 %	≥ 90
min. transmission at 260 nm	99,24 %	≥ 98
max. absorbance at 207 nm	0,444 AU	≤ 1,000
max. absorbance at 220 nm	0,099 AU	≤ 0,301
max. absorbance at 232 nm	0,038 AU	≤ 0,097
max. absorbance at 242 nm	0,016 AU	≤ 0,046
max. absorbance at 260 nm	0,003 AU	≤ 0,009

Microfiltered through membranes of pore diameter 0,22 µm

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