

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC0310_24177109/1**

Product Acetone, Multisolvant® HPLC grade ACS ISO UV-VIS

Batch 24177109

AC0310

Quality release date 23/11/2023

Expiry date 11/2028

Analysis	Batch value	Specifications
Assay (G.C.)	99,98 %	≥ 99,8
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7906 g/mL	0,787 - 0,791
Appearance of solution	passes test	passes test
Colour (Hazen)	2	≤ 10
Solubility in water	passes test	passes test
Insoluble in water	passes test	passes test
Acidity	0,00013 meq/g	≤ 0,0002
Alkalinity	0,00001 meq/g	≤ 0,0002
Chlorides (Cl)	< 0,00001 %	≤ 0,00001
Nitrates (NO3)	< 0,00001 %	≤ 0,00001
Phosphates (as PO4)	< 0,00001 %	≤ 0,00001
Sulfates (SO4)	< 0,00001 %	≤ 0,00001
Aluminium (Al)	< 0,1 ppm	≤ 0,1
Antimony (Sb)	< 0,02 ppm	≤ 0,02
Arsenic (As)	< 0,02 ppm	≤ 0,02
Barium (Ba)	< 0,01 ppm	≤ 0,01
Beryllium (Be)	< 0,02 ppm	≤ 0,02
Bismuth (Bi)	< 0,02 ppm	≤ 0,02
Boron (B)	< 0,02 ppm	≤ 0,02
Cadmium (Cd)	< 0,01 ppm	≤ 0,01
Calcium (Ca)	< 0,3 ppm	≤ 0,3
Chromium (Cr)	< 0,02 ppm	≤ 0,02
Cobalt (Co)	< 0,02 ppm	≤ 0,02
Copper (Cu)	< 0,01 ppm	≤ 0,01
Gallium (Ga)	< 0,02 ppm	≤ 0,02
Germanium (Ge)	< 0,02 ppm	≤ 0,02
Gold (Au)	< 0,02 ppm	≤ 0,02
Indium (In)	< 0,02 ppm	≤ 0,02
Iron (Fe)	< 0,02 ppm	≤ 0,02
Lead (Pb)	< 0,01 ppm	≤ 0,01
Lithium (Li)	< 0,05 ppm	≤ 0,05
Magnesium (Mg)	< 0,1 ppm	≤ 0,1
Manganese (Mn)	< 0,01 ppm	≤ 0,01
Molybdenum (Mo)	< 0,02 ppm	≤ 0,02
Nickel (Ni)	< 0,01 ppm	≤ 0,01
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

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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Vanadium (V)	< 0,02 ppm	≤ 0,02
Zinc (Zn)	< 0,01 ppm	≤ 0,01
Zirconium (Zr)	< 0,02 ppm	≤ 0,02
Aldehydes (as HCHO)	< 0,002 %	≤ 0,002
Cyclohexane (G.C.)	< 0,01 %	≤ 0,1
Alcohol diacetone (G.C.)	< 0,01 %	≤ 0,02
Ethanol (G.C.)	< 0,001 %	≤ 0,01
Methanol (G.C.)	0,014 %	≤ 0,05
2-Propanol (G.C.)	< 0,01 %	≤ 0,05
Reducing substances	passes test	passes test
Residue on evaporation	0,0001 %	≤ 0,0002
Water (K.F.)	0,1640 %	≤ 0,2
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 330 nm	19,08 %	≥ 10
min. transmission at 335 nm	99,88 %	≥ 50
min. transmission at 339 nm	84,25 %	≥ 80
min. transmission at 342 nm	92,58 %	≥ 90
min. transmission at 350 nm	99,88 %	≥ 98
max. absorbance at 330 nm	0,719 AU	≤ 1,000
max. absorbance at 335 nm	0,001 AU	≤ 0,301
max. absorbance at 339 nm	0,074 AU	≤ 0,097
max. absorbance at 342 nm	0,033 AU	≤ 0,046
max. absorbance at 350 nm	0,001 AU	≤ 0,009

Microfiltered through membranes of pore diameter 0,22 µm.

For laboratory use only.

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Marta Martinez Casals
Laboratory Technician