

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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CERTIFICATE OF ANALYSIS**CI0039_24351206/1**

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

Batch 24351206

CI0039

Quality release date 10/04/2024

Expiry date 04/2029

Analysis	Batch value	Specifications
Assay (G.C.)	99,95 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7787 g/mL	0,776 - 0,780
Appearance	clear	clear
Colour (Hazen)	3	≤ 10
Acidity	0,00001 meq/g	≤ 0,0003
Melting point	min. 6,0 °C	min. 6,0
Aluminium (Al)	< 0,1 ppm	≤ 0,1
Barium (Ba)	< 0,01 ppm	≤ 0,01
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)	< 0,02 ppm	≤ 0,02
Iron (Fe)	< 0,02 ppm	≤ 0,02
Lead (Pb)	< 0,1 ppm	≤ 0,1
Magnesium (Mg)	< 0,1 ppm	≤ 0,1
Manganese (Mn)	< 0,01 ppm	≤ 0,01
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Tin (Sn)	< 0,1 ppm	≤ 0,1
Zinc (Zn)	< 0,01 ppm	≤ 0,01
Aromatic Hydrocarbons (as C ₆ H ₆)	0,00026 %	≤ 0,001
Cyclohexene (G.C.)	< 0,010 %	≤ 0,05
Ethanol (G.C.)	< 0,0100 %	≤ 0,01
Substances darkened by H ₂ SO ₄	passes test	passes test
Residue on evaporation	0,0002 %	≤ 0,0002
Water (K.F.)	0,0021 %	≤ 0,01
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 208 nm	21,25 %	≥ 20
min. transmission at 223 nm	60,00 %	≥ 50
min. transmission at 232 nm	80,59 %	≥ 80
min. transmission at 240 nm	91,69 %	≥ 90
min. transmission at 250 nm	98,60 %	≥ 98
min. transmission at 270 nm	99,59 %	≥ 99
max. absorbance at 208 nm	0,673 AU	≤ 0,699
max. absorbance at 223 nm	0,222 AU	≤ 0,301
max. absorbance at 232 nm	0,094 AU	≤ 0,097
max. absorbance at 240 nm	0,038 AU	≤ 0,046

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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Analysis**Batch value****Specifications**

max. absorbance at 250 nm

0,006 AU

≤ 0,009

max. absorbance at 270 nm

0,002 AU

≤ 0,004

Microfiltered through membranes of pore diameter 0,22 µm

For laboratory use only

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Marta Martinez Casals
Laboratory Technician