

**Scharlab S.L.**

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**CI0039_25563606/1**

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

Batch 25563606

CI0039

Quality release date 14/03/2025

Expiry date 03/2030

Analysis	Batch value	Specifications
Assay (G.C.)	99,97 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7785 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 C6H6)	0,00019 %	≤ 0,001
Cyclohexene (G.C.)	< 0,02 %	≤ 0,05
Ethanol (G.C.)	< 0,01 %	≤ 0,01
Substances darkened by H2SO4	passes test	passes test
Residue on evaporation	0,0002 %	≤ 0,0002
Water (K.F.)	0,0022 %	≤ 0,01
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 208 nm	20,01 %	≥ 20
min. transmission at 223 nm	62,13 %	≥ 50
min. transmission at 232 nm	83,10 %	≥ 80
min. transmission at 240 nm	92,79 %	≥ 90
min. transmission at 250 nm	98,44 %	≥ 98
min. transmission at 270 nm	99,79 %	≥ 99
max. absorbance at 208 nm	0,699 AU	≤ 0,699
max. absorbance at 223 nm	0,207 AU	≤ 0,301
max. absorbance at 232 nm	0,080 AU	≤ 0,097
max. absorbance at 240 nm	0,032 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.com

Marta Avilés Palou
Laboratory Technician

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Analysis

max. absorbance at 250 nm

max. absorbance at 270 nm

Batch value

0,007 AU

0,001 AU

Specifications

≤ 0,009

≤ 0,004

Microfiltered through membranes of pore diameter 0,22 µm

For laboratory use only

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