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CERTIFICATE OF ANALYSIS**CI0032_23378103/1**

Product Cyclohexane, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Batch 23378103

CI0032

Quality release date 09/12/2022

Expiry date 12/2027

Analysis	Batch value	Specifications
Assay (G.C.)	99,96 %	≥ 99,7
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7785 g/mL	0,776 - 0,780
Density (20°/20°)	0,7799 g/mL	0,779 - 0,781
Colour (Hazen)	4	≤ 10
Appearance	clear	clear
Boiling point	80 - 81 ° C	80 - 81
Melting point	min. 6,0 °C	min. 6,0
Acidity	0,00002 meq/g	≤ 0,0003
Aluminium (Al)	< 0,5 ppm	≤ 0,5
Barium (Ba)	< 0,1 ppm	≤ 0,1
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
Iron (Fe)	< 0,1 ppm	≤ 0,1
Lead (Pb)	< 0,1 ppm	≤ 0,1
Magnesium (Mg)	< 0,1 ppm	≤ 0,1
Manganese (Mn)	< 0,02 ppm	≤ 0,02
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Tin (Sn)	< 0,1 ppm	≤ 0,1
Zinc (Zn)	< 0,1 ppm	≤ 0,1
Aromatic Hydrocarbons (as C ₆ H ₆)	0,00030 %	≤ 0,05
Cyclohexene (G.C.)	< 0,020 %	≤ 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 %	≤ 0,0005
Water (K.F.)	0,0031 %	≤ 0,01

For laboratory use only

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 Martinez Casals
Laboratory Technician