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CERTIFICATE OF ANALYSIS**IS0154_23901709/1**

Product 2,2,4-Trimethylpentane, for analysis, ExpertQ®, ACS, Reag. Ph Eur

Batch 23901709

IS0154

Quality release date 01/09/2023

Expiry date 08/2028

Analysis	Batch value	Specifications
Assay (G.C.)	99,57 %	≥ 99,5
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,6922 g/mL	0,691 - 0,693
Density (20°/20°)	0,6934 g/mL	0,691 - 0,696
Boiling range (min. 95 %)	98 - 100 °C	98 - 100
Colour (Hazen)	3	≤ 10
Refractive index n _{20/D}	1,3915	1,391 - 1,393
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
Sulfur compounds (as S)	< 0,005 %	≤ 0,005
Substances darkened by H ₂ SO ₄	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission between 250 and 420 nm	99,78 %	≥ 98
Residue on evaporation	0,0002 %	≤ 0,001
Water (K.F.)	0,0021 %	≤ 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