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CERTIFICATE OF ANALYSIS**DI1072_24501907/1**

Product N,N-Dimethylformamide, Multisolvant® HPLC grade ACS ISO UV-VIS

Batch 24501907

DI1072

Quality release date 02/02/2024

Expiry date 01/2029

Analysis	Batch value	Specifications
Assay (G.C.)	99,98 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,9487 g/mL	0,948 - 0,950
Appearance	clear	clear
Colour (Hazen)	4	≤ 10
Acidity	0,00016 meq/g	≤ 0,0005
Alkalinity	0,00004 meq/g	≤ 0,003
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
Residue on evaporation	0,0001 %	≤ 0,0002
Water (K.F.)	0,0072 %	≤ 0,05
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 275 nm	68,77 %	≥ 50
min. transmission at 290 nm	89,10 %	≥ 80
min. transmission at 300 nm	93,67 %	≥ 90
min. transmission at 330 nm	98,99 %	≥ 98
max. absorbance at 275 nm	0,163 AU	≤ 0,301
max. absorbance at 290 nm	0,050 AU	≤ 0,097
max. absorbance at 300 nm	0,028 AU	≤ 0,046
max. absorbance at 330 nm	0,004 AU	≤ 0,009

Microfiltered through membranes of pore diameter 0,22 µm.
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