

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS**DI1065_21083403/1**Product N,N-Dimethylformamide, for analysis, ExpertQ®, ACS, ISO, Reag. Ph
Eur

Batch 21083403

Quality release date 02/09/2020

Expiry date 09/2025

DI1065

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,8
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,9492 g/mL	0,948 - 0,950
Density (20°/20°)	0,9509 g/mL	0,949 - 0,952
Appearance	clear	clear
Colour (Hazen)	6	≤ 10
Boiling point	152 - 154 ° C	152 - 154
Acidity	0,00002 meq/g	≤ 0,0005
Alkalinity	0,00001 meq/g	≤ 0,003
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
Residue on evaporation	0,0002 %	≤ 0,001
Water (K.F.)	0,013 %	≤ 0,1

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