

CERTIFICATE OF ANALYSIS

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

Batch 18322107

Quality release date 15/09/2017

DI1072

Expiry date 09/2022

Analysis	Batch value	Specifications
Assay (G.C.)	99,98 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,9489 g/mL	0,948 - 0,950
Appearance	clear	clear
Colour (Hazen)	4	≤ 10
Acidity	0,00037 meq/g	≤ 0,0005
Alkalinity	0,00013 meq/g	≤ 0,003
Aluminium (Al)	< 0,00001 %	≤ 0,00001
Barium (Ba)	< 0,000001 %	≤ 0,000001
Boron (B)	< 0,000002 %	≤ 0,000002
Cadmium (Cd)	< 0,000001 %	≤ 0,000001
Calcium (Ca)	< 0,00003 %	≤ 0,00003
Chromium (Cr)	< 0,000002 %	≤ 0,000002
Cobalt (Co)	< 0,000002 %	≤ 0,000002
Copper (Cu)	< 0,000002 %	≤ 0,000002
Iron (Fe)	< 0,000002 %	≤ 0,000002
Lead (Pb)	< 0,00001 %	≤ 0,00001
Magnesium (Mg)	< 0,00001 %	≤ 0,00001
Manganese (Mn)	< 0,000001 %	≤ 0,000001
Nickel (Ni)	< 0,000002 %	≤ 0,000002
Tin (Sn)	< 0,00001 %	≤ 0,00001
Zinc (Zn)	< 0,000001 %	≤ 0,000001
Residue on evaporation	0,0001 %	≤ 0,0002
Water (K.F.)	0,0200 %	≤ 0,05
Liquid chromatography suitability absorbance	passes test	passes test
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 268 nm	16,95 %	≥ 15
min. transmission at 275 nm	62,67 %	≥ 50
min. transmission at 290 nm	83,55 %	≥ 80
min. transmission at 300 nm	90,30 %	≥ 90
min. transmission at 330 nm	99,15 %	≥ 98
max. absorbance at 268 nm	0,798 AU	≤ 0,824
max. absorbance at 275 nm	0,213 AU	≤ 0,301
max. absorbance at 290 nm	0,080 AU	≤ 0,097
max. absorbance at 300 nm	0,045 AU	≤ 0,046
max. absorbance at 330 nm	0,005 AU	≤ 0,009



Scharlab S.L.

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

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS

Microfiltered through membranes of pore diameter 0,22 µm.

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

M. Canet
Laboratory Manager

A handwritten signature in black ink, appearing to be "M. Canet", written over a horizontal line.