

Certificate of Analysis

PRODUCT : n,n-DIMETHYLFORMAMIDE RS - For Headspace chromatography

CODE : 444991

LOT N° : P1B035231B

RE-TEST DATE : 02/2023

MOLECULAR WEIGHT : 73.09

CAS N° : 68-12-2

FORMULA : (CH₃)₂N₂OCH

| TEST | U.M. | SPECIFICATION | RESULT |
|--|------|---------------|---------|
| Description | - | Clear liquid | Conform |
| Colour | APHA | <= 10 | 5 |
| Identification | - | Positive | Conform |
| Density at 20°C | - | 0.945 - 0.955 | 0.949 |
| Refractive index at 20°C | - | 1.428 - 1.432 | 1.431 |
| Boiling point | °C | 152.0 - 154.0 | 152.1 |
| Water (K.F.) | ppm | <= 200 | 101 |
| Residue on evaporation | ppm | <= 10 | 5 |
| Assay (GC) | % | >= 99.99 | 100.00 |
| UV cut off | nm | <= 269 | <269 |
| UV Transmittance | - | - | - |
| at 270 nm | % | >= 20 | 33 |
| at 275 nm | % | >= 55 | 64 |
| at 300 nm | % | >= 85 | 91 |
| at 320 nm | % | >= 95 | 98 |
| GC/HS | - | - | - |
| Residual solvent of class 1(acc. to ICH) | µg/g | <= 1 | <1 |
| Residual solvent of class 2(acc. to ICH) | µg/g | <= 10 | <10 |
| Residual solvent of class 3(acc. to ICH) | µg/g | <= 50 | <50 |

Suitable as solvent for the analysis of residual solvents of ICH classes 1,2 and 3 according to Ph Eur and USP.

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of inappropriate use.

Approve Date : 05/03/2021

Approved electronically, valid without a signature

QUALITY CONTROL RESPONSIBLE

P. GUERARD (PEYPIN)