

Certificate of Analysis

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

CODE : 444991

LOT N° : P3H054083I

RE-TEST DATE : 09/2025

MOLECULAR WEIGHT : 73.09

CAS N° : 68-12-2

FORMULA : (CH₃)₂NOCH

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	153
Water (K.F.)	ppm	<= 200	151
Residue on evaporation	ppm	<= 10	1
Assay (GC)	%	>= 99.99	100.00
UV cut off	nm	<= 269	<269
UV Transmittance	-	-	-
at 270 nm	%	>= 20	29
at 275 nm	%	>= 55	62
at 300 nm	%	>= 85	90
at 320 nm	%	>= 95	97
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 : 06/09/2023

Approved electronically, valid without a signature

QUALITY CONTROL RESPONSIBLE

P. GUERARD (PEYPIN)