

# Certificate of Analysis

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

**CODE :** 444991

**LOT N° :** P4B003294B

**RE-TEST DATE :** 02/2026

**MOLECULAR WEIGHT :** 73.09

**CAS N° :** 68-12-2

**FORMULA :** (CH<sub>3</sub>)<sub>2</sub>NOCH

TEST	U.M.	SPECIFICATION	RESULT
Description	-	Clear liquid	Conform
Colour	APHA	<= 10	5
Identification	-	Positive	Conform
Density at 20°C	-	0.945 - 0.955	Conform
Refractive index at 20°C	-	1.428 - 1.432	1.428
Boiling point	°C	152.0 - 154.0	Conform
Water (K.F.)	ppm	<= 200	57
Residue on evaporation	ppm	<= 10	3
Assay (GC)	%	>= 99.99	100.00
UV cut off	nm	<= 269	<269
UV Transmittance	-	-	-
at 270 nm	%	>= 20	33
at 275 nm	%	>= 55	68
at 300 nm	%	>= 85	93
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 : 16/04/2024

Approved electronically, valid without a signature

**QUALITY CONTROL RESPONSIBLE**

**P. GUERARD (PEYPIN)**