

# Certificate of Analysis

**PRODUCT** : N,N-DIMETHYLFORMAMIDE RS HEADSPACE  
**CODE** : 444991  
**LOT N°** : P7H020217H  
**EXPIRING DATE** : 08/2019 **EDITION** 2

TEST	U.M.	SPECIFICATION	RESULT
Description	-	Clear liquid	Conform
Colour (APHA)	-	<=10	5
Identification	-	Positive	Positive
Density at 20° C	-	0.945 ÷ 0.955	0.9486
Refractive index at 20°C	-	1.428 - 1.432	1.4305
Boiling point	° C	152.0 ÷ 154.0	Conform
Water (K.F.)	ppm	<=200	74
Residue on evaporation	ppm	<=10	4
Assay (GLC)	%	>=99.99	99.99
UV cut off	nm	<= 269	<269
U.V. Transmittance	-	-	-
at 270 nm	%	>= 20	31.9
At 275 nm	%	>= 55	67.9
at 300 nm	%	>= 85	93
at 320 nm	%	>= 95	98.6
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.