

# Technical Specification

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

**CODE :** 444310

**MOLECULAR WEIGHT :** 87.12

**CAS N° :** 127-19-5

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

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Identification	-	Positive
Density d <sub>20</sub> /4	-	0.940 - 0.946
Refractive index at 20°C	-	1.4343 - 1.4403
Boiling point	°C	164.0 - 166.0
Water (K.F.)	%	<= 0.03
Acidity (acetic acid)	ppm	<= 50
Assay (GC)	%	>= 99.95
UV cut off	nm	<= 268
UV Transmittance	-	-
at 268 nm	%	>= 10
at 275 nm	%	>= 55
at 300 nm	%	>= 85
at 350 nm	%	>= 98
at 400 nm	%	>= 99
GC/HS	-	-
Residual solvent of class 1(acc. to ICH)	µg/g	<= 1
Residual solvent of class 2(acc. to ICH)	µg/g	<= 10
Residual solvent of class 3(acc. to ICH)	µg/g	<= 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 in