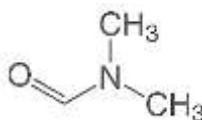


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

N,N-DIMETHYLFORMAMIDE 99,5 % FOR HPLC & SPECTROSCOPY

DMF; N,N-Dimethylmethanamide



Product Code	B-3112	Grade	For HPLC & Spectroscopy
Purity	99,5 %	CAS No	68-12-2
Molecular Formula	C ₃ H ₇ NO	Molecular Weight	73.10 g/mol
H.S.Code	2924.2990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Amine-like	Melting Point/ Freezing point (°C)	-61 °C
Boiling Point	153 °C	Flash point	57,5 °C
Vapour Density	2,52	Vapour pressure (20 °C)	3,77 at 20 °C
Solubility in water (% weight)	1000 g/l at 20°C	Density (g/cm ³)	0,944
Explosion limits-lower (%)	2,20 %	Explosion limits – upper (%)	16%
Auto-ignition temperature (°C)	435 °C at 1.013 hPa	Partition coefficient Log Pow octanol / water at 20°C	-0,85
pH value	7 at 200 g/l at 20 °C	Decomposition temperature (°C)	>350 °C
Viscosity	0,86 mPa at 20°C		

Packaging

2500 ml

Specification

Appearance	A clear colorless liquid
Solubility	miscible with water, forming a clear and colorless solution
Assay (by GC)	min 99.5 %
Colour	max 10 Hazen
Wt.per ml at 20 °C	0.948 - 0.950 g/cm ³
Refractive index (n _D ²⁰)	1.429 - 1.431

Acidity (as HCOOH)	max 0.002 %
Non-volatile matter	max 0.001 %
Water (H ₂ O)	max 0.05 %
Maximum Absorbance in a 1.0 cm cell at λ :	
270 nm (UV cut off)	max 1.0
300 nm	max 0.1
340 nm	max 0.01

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 2265

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H312+H332-H360D-H360D

Precaution Statement: P201-P210-P261-P280-P303+P361+P353-P304+P340+P312-P305+P351+P338-P308+P313-P370+P378