

Department: Quality Control

Document No: LCPL/QSD/QAD/11

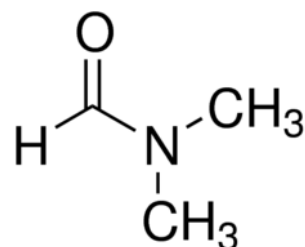
SOP No.: SOP/QC/11-D188

**SPECIFICATION : N,N-DIMETHYLFORMAMIDE HPLC**

Issue date	02/04/2018	Review date	01/04/2023	Location	All Units
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**PRODUCT DETAILS**

1	Molecular Formula	HCON(CH <sub>3</sub> ) <sub>2</sub>
2	Product code	D188
3	Molecular weight	73.09
4	CAS No	68-12-2
5	Risk Statement No	61-20/21-36
6	Safety Statement No	53-45-61
7	UN No.	UN2265



**PACKING DETAILS**

	Product code	Pack size
1	D18830	500 mL
2	D18832	2.5 L

**PRODUCT SPECIFICATION**

SL. No.	TEST PARAMETERS	LIMITS
1	Description	Clear colourless liquid.
2	Miscibility	Miscible with water and most organic solvents.
3	Identification	By IR Spectrum
4	Assay (GC)	Not less than 99.0%
5	Weight per mL	Between 0.947 and 0.949 g
6	Refractive index	Between 1.429 and 1.431
7	Non-volatile matter	Not more than 0.0005%
8	Acidity (HCOOH)	Not more than 0.003%
9	Water (by KF)	Not more than 0.05%
10	<u>Min Transmittance (10 mm Cuvette using water as reference).</u>	
	Wave length	Not less than T% Limits
	275 nm	50.0%
	290 nm	80.0%
	300 nm	90.0%
	330 nm	98.0%

**SAFETY SYMBOLS**



Harmful / Irritant



Flammable