

## Certificate of Analysis

<b>Product</b>	Dimethylformamide	<b>Batch No.</b>	: 21 06 0357
<b>Grade</b>	HPLC	<b>Manufacturing date</b>	: 30/06/2021
<b>Code No.</b>	LC1051	<b>Best before</b>	: 06/2025

Items	Descriptions	Specifications		Test Results
1	Assay (by GC.)	99.9%	min.	99.9%
2	Appearance	Clear and colorless liquid		Clear and colorless liquid
3	Identity (IR)	Passes test		Passes test
4	Color (APHA)	10	max.	< 10
5	Water (by Coulometry)	0.05%	max.	0.011%
6	Acidity (mEq./g.)	0.0005	max.	< 0.0005
7	Residue on Evaporation	0.0005%	max.	< 0.0005%
8	UV Transmission Levels (%T)			
	320 nm	99%	min.	99.9%
	300 nm	98%	min.	98.8%
	290 nm	90%	min.	96.8%
	280 nm	80%	min.	91.4%
	275 nm	60%	min.	79.2%
9	Fluorescence (as quinine)			
	at 365 nm	1 ppb	max.	< 1 ppb

Product passed through 0.2 micron final filter.

This is to certify the above batch has been tested and complies with this specification.

Ladaphan

Chemist

Achan

Technical Manager