

## Certificate of Analysis

<b>Product</b>	Dimethylacetamide	<b>Batch No.</b>	: 21 06 0438
<b>Grade</b>	For Headspace GC Analysis	<b>Manufacturing date</b>	: 26/06/2021
<b>Code No.</b>	HS1050	<b>Best before</b>	: 06/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.9% min.	99.9%
2	Appearance	Clear, colorless liquid	Clear, colorless liquid
3	Color (APHA)	10 max.	< 10
4	Water (by Coulometry)	0.05% max.	0.015%
5	Acidity (mEq./g.)	0.0005 max.	< 0.0005
6	Residue on Evaporation	0.0003% max.	< 0.0003%
7	Formic Acid and Acetic Acid	Not detected	Not detected
8	UV cutoff wavelength	190-268 nm	190-268 nm
9	UV Transmission Levels (%T)		
	400 nm	99% min.	99.9%
	350 nm	98% min.	99.7%
	300 nm	85% min.	88.1%
	275 nm	55% min.	57.5%
	268 nm	10% min.	11.3%
10	Residual solvent (GC/HS) according to ICH		
	Class 1 Solvents	1 ppm max.	< 1 ppm
	Class 2 Solvents	10 ppm max.	< 10 ppm
	Class 3 Solvents	50 ppm max.	< 50 ppm
	N,N-Dimethylformamide	20 ppm max.	< 20 ppm

Suitable as solvent for the analysis of residual solvent of ICH classes 1,2 and 3 according to Ph Eur and USP.  
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