

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : N,N-Dimethyl Formamide 99.5 % for HPLC & Spectroscopy

Catalog Number : B-3112

Batch Number : 3112-00000000

CAS Number : 68-12-2

Molecular Weight : 73.10 g/mg

Mol. Formula : HCON(CH₃)₂

Expire Date : 60 months



| No | Test | Specifications | Results |
|----|--|---|--------------------------|
| 1 | Appearance | A clear colorless liquid | A clear colorless liquid |
| 2 | Solubility | miscible with water, forming a clear and colorless solution | Complies |
| 3 | Assay (by GC) | min 99.5 % | 99.950% |
| 4 | Colour | max 10 Hazen | < 10 Hazen |
| 5 | Wt. per ml at 20 °C | 0.948 - 0.950 g/cm ³ | 0.948 g/cm ³ |
| 6 | Refractive index (n ²⁰ _D) | 1.429 - 1.431 | 1.429 |
| 7 | Acidity (as HCOOH) | max 0.002 % | 0.0012% |
| 8 | Non-volatile matter | max 0.001 % | 0.0005% |
| 9 | Water (H ₂ O) | max 0.05 % | 0.042% |
| | Maximum Absorbance in a 1.0 cm cell at λ : | | |
| 10 | 270 nm (UV cut off) | max 1.0 | 0.568 |
| 11 | 300 nm | max 0.1 | 0.044 |
| 12 | 340 nm | max 0.01 | 0.002 |

Corresponds for HPLC & Spectroscopy Grade

LABOTIQ In-house product specification for HPLC & Spectroscopy

SUDIRO S.Si.
Manager QC