

Certificate of Analysis

Product n-Methyl-2-Pyrrolidone **Batch No.** : 21 05 0407
Grade AR. **Manufacturing date** : 31/05/2021
Code No. AR1123 **Best before** : 05/2023

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.5% min.	99.9%
2	Color (APHA)	50 max.	< 50
3	Water (by Coulometry)	0.05% max.	0.017%
4	Acidity (mEq./g.)	0.0005 max.	< 0.0005
5	Residue on Evaporation	0.005% max.	< 0.005%
6	Free amine (as CH ₃ NH ₂)	0.01% max.	< 0.01%
7	Chloride (Cl)	1 ppm max.	< 1 ppm

Meet A.C.S. Specifications.

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

Ladaphan

Chemist

Achan .

Technical Manager