

## Certificate of Analysis

<b>Product</b>	Methanol	<b>Batch No.</b>	: 21 05 0382
<b>Grade</b>	AR.	<b>Manufacturing date</b>	: 31/05/2021
<b>Code No.</b>	AR1115	<b>Best before</b>	: 05/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.9% min.	99.9%
2	Appearance	Clear	Clear
3	Color (APHA)	10 max.	< 10
4	Water (by Coulometry)	0.05% max.	0.027%
5	Acidity (mEq./g.)	0.0003 max.	< 0.0003
6	Alkalinity (mEq./g.)	0.0002 max.	< 0.0002
7	Residue on Evaporation	0.001% max.	< 0.001%
8	Carbonyl Compounds (as CH <sub>3</sub> CHO)	0.001% max.	< 0.001%
9	Solubility in water	Passes test	Passes test
10	Substances darkened by sulfuric acid	Passes test	Passes test
11	Substances reducing permanganate	Passes test	Passes test

Meet A.C.S. Specifications.

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

Ladaphan.

Chemist

Achim.

Technical Manager