

## Certificate of Analysis

<b>Product</b>	<b>Methanol</b>	<b>Batch No.</b>	<b>: 21 06 0148</b>
<b>Grade</b>	<b>AR.</b>	<b>Manufacturing date</b>	<b>: 22/06/2021</b>
<b>Code No.</b>	<b>AR1115</b>	<b>Best before</b>	<b>: 06/2024</b>

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.	0.018%
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

Achun .

Technical Manager