

## Certificate of Analysis

<b>Product</b>	Methyl-t-butyl ether	<b>Batch No.</b>	: 21 05 0248
<b>Grade</b>	HPLC	<b>Manufacturing date</b>	: 28/05/2021
<b>Code No.</b>	LC1125	<b>Best before</b>	: 05/2025

Items	Descriptions	Specifications		Test Results
1	Assay (by GC.)	99.8%	min.	99.9%
2	Appearance	Clear and colorless liquid		Clear and colorless liquid
3	Identity (IR)	Passes test		Passes test
4	Color (APHA)	10	max.	< 10
5	Water (by Coulometry)	0.02%	max.	0.009%
6	Acidity (mEq./g.)	0.0002	max.	< 0.0002
7	Alkalinity (mEq./g.)	0.0002	max.	< 0.0002
8	Residue on Evaporation	0.0002%	max.	< 0.0002%
9	Peroxide (as H <sub>2</sub> O <sub>2</sub> )	1 ppm	max.	< 1 ppm
10	UV Transmission Levels (%T)			
	280 nm	99%	min.	99.9%
	270 nm	98%	min.	99.5%
	260 nm	90%	min.	98.4%
	255 nm	85%	min.	97.3%
	240 nm	60%	min.	92.0%
11	Fluorescence (as quinine)			
	at 365 nm	1 ppb	max.	< 1 ppb

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