

## Certificate of Analysis

<b>Product</b>	Tetrahydrofuran	<b>Batch No.</b>	: 21 05 0243
<b>Grade</b>	HPLC	<b>Manufacturing date</b>	: 21/05/2021
<b>Code No.</b>	LC1200	<b>Best before</b>	: 05/2022

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.9% 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	0.0001% max.	< 0.0001%
9	Peroxide (as H <sub>2</sub> O <sub>2</sub> )	0.01% max.	< 0.01%
10	UV Transmission Levels (%T)		
	280 nm	99% min.	99.9%
	250 nm	80% min.	96.4%
	240 nm	70% min.	91.6%
	230 nm	35% min.	85.5%
	218 nm	30% min.	81.0%
11	Fluorescence (as quinine)		
	at 254 nm	1 ppb max.	< 1 ppb
	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