

## Certificate of Analysis

<b>Product</b>	<b>n-Heptane 99%</b>	<b>Batch No.</b>	<b>: 21 05 0231</b>
<b>Grade</b>	<b>HPLC</b>	<b>Manufacturing date</b>	<b>: 27/05/2021</b>
<b>Code No.</b>	<b>LC1080</b>	<b>Best before</b>	<b>: 05/2025</b>

Items	Descriptions	Specifications		Test Results
1	Assay (by GC.)	99.3%	min.	99.3%
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)	0.01%	max.	0.006%
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	Substances darkened by sulfuric acid	Passes test		Passes test
10	UV Transmission Levels (%T)			
	250 nm	99%	min.	99.9%
	240 nm	98%	min.	99.7%
	230 nm	95%	min.	99.0%
	220 nm	80%	min.	96.8%
	210 nm	60%	min.	89.4%
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