

CERTIFICATE OF ANALYSIS

Product Name	n-Hexane, HPLC grade		
Synonyms	n-Hexane		
CAS No	110-54-3		
Product code	SY00238	Batch No	LNHBF0706
Molecular Formula	C ₆ H ₁₄	Molecular Weight	86.18
Mfg. Date	Jul-26	Expiry Date	Jun-29
Storage Conditions	Store at room temperature, tightly closed container		

Test	Specification	Results
Appearance	Clear colourless liquid, with characteristic odour.	Clear colourless liquid, with characteristic odour.
Moisture content (by K.F)	NMT- 0.01 %	0.005 %
Solubility	Insouble in water. Miscible with alcohol.	Complies
Density (at 25° C)	0.650 - 0.662 g/ml	0.66 g/ml
Assay by GC	NLT-99.90 %	99.50%
Free acid(as CH₃COOH)	max. 0.02	0.0008%
Alkalinity (as NH₃)	0.0005%	Nil
Non Volatile Matter	NMT 0.001	0.0002%
UV TRANSMITTANCE		
UV cut-off - 195 nm	Min.Transmittance	
Wavelength@200 nm	20%	25%
Wavelength@210 nm	60%	64%
Wavelength@220 nm	80%	86%
Wavelength@230 nm	90%	95%
Wavelength@250 nm	98%	99%

Approved by
Dr. Gopinath PH. D

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