



Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

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CERTIFICATE OF ANALYSIS

Name Of Item : n-HEPTANE 99.5% AR

Formula : $\text{CH}_3(\text{CH}_2)_5\text{CH}_3$

M.W. : 100.21

Batch No. : N0221

CAS NO. : 142-82-5

Cat. No. : AL2736

Date Of Mfg. : Sept. 2011

Date of Analysis :

Type Of Test	Standard	Observed
Description	Clear colorless liquid	Clear colorless liquid
Assay	(Min.) 99.5%	99.86%
Wt /ml at 20°C	0.683-0.684g	0.6831g
Bromine number	<0.5	0.4
Refractive index	1.3880-1.3885	1.3882
Miscibility with chloroform &diethyl ether	Passes test	Passes test
Water	<0.02%	0.01%
Acidity (CH_3COOH)	<0.0005%	0.00038%
Alkalinity (NH_3)	<0.0001%	NIL
Non-volatile matter	<0.001%	0.0008%
Sulphur compound (CS_2)	<0.0003%	0.0001%
Copper (Cu)	<0.00002%	0.00%
Iron (Fe)	<0.00005%	0.00004%
Lead (Pb)	<0.00002%	0.000015%

Results : The above product complies with AR grade