



Certificate of Analysis

Product Name:	CYCLOHEXANE	Product Code : 0322124
Grade :	HPLC	Analysed Date: 22/02/2012
M.F.	C6H12	M.W. : 84.16
Batch No :	TP-436691	
Mfg.Date :	22-Feb-2012	Exp.Date : 21 Feb,2017

Analysis Data	Standards	Actual Results
Description:	Clear,colourless liq.	Passes
Colour (APHA)	max 10	Passes
Assay (GC) :	min 99.9%	99.9%
Wt/ml (20°C) :	0.777-0.779 g	0.778g
Refractive Index(20°C) :	1.425-1.426	1.425
Boiling Range :	80-81°C	80-81°C
Freezing point :	6-7°C	6-7°C
Non volatile matter :	max 0.0005%	0.0005%
Acidity(HCl) :	max.0.001%	0.0004%
Substances discoloured by H ₂ SO ₄	passes test	passes test
Benzene (C ₆ H ₆) :	max 0.01%	passes test
Cyclohexene(C ₆ H ₁₀) :	max 0.01%	passes test
Water(KF):	max 0.01%	0.004%
%T in a 1cm cell v/s H ₂ O : (After purging with N ₂ for 15min)	%T	%T
210nm	>15	35
220nm	>60	66
230nm	>90	93
240nm	>98	99
250-400nm	>99	100