

CERTIFICATE OF ANALYSIS
 NAME OF THE PRODUCT : LIDOCAIN HCL USP 31
 MFG DT: AUG 2009 EXP DT: JULY 2014
 BATCH NUMBER: MC/LH/332/09

TESTS	RESULTS OF ANALYSIS	LIMITS
Characters	A white crystalline powder Very soluble in water ,freely soluble in alcohol	A white crystalline powder Very soluble in water ,freely soluble in alcohol
Identification		
A.melting point	75°c to 78°c	Between 74°c to 79°c
B.I.R	Complies	Must comply
C.melts of picrate depravities	229° c	About 230 ° c
D.Reaction of alcoholic pot.hydroxide solution	Green colour is produced	A green colour must be produced
E.Reaction of cobalt nitrate	A bluish green precipitate is formed	A bluish green precipitate is formed
F.Reaction of chloride	Complies	Must comply
Appearance of solution	The solution is clear and colourless	Clear and colourless solution
Ph (0.5% solution)	4.80	Between 4.0 to 5.5
Heavy metals	Less than 5 ppm	NMT 5 ppm
2,6-Dimethylaniline (Impurity A)	10-20 ppm	NMT 100 ppm
Sulphated ash	0.049%	NMT 0.1%
Water (by kf) (determined on 0.25g)	6.18%	Between 5.5% and 7.0% w/w
Assay (on anhydrous basis)	99.72%	99.0% to 101.0%
Residual solvent	Acetone: 1 314 PPM Toluene: Not detected	N.M.T 5000 ppm N.M.T 890 ppm
Particle size	1500 to1800 Micron	