

CERTIFICATE OF ANALYSIS

	HIOAILO		
PRODUCT : DILTIAZEM HC	/	COMPEND	
BATCH NO. : DIL/M-10515		QUANTITY	
MFG. DATE: MAY.2015		EXP. DATE	: APRIL.2020
	CC A.R. No.: I		
TESTS	RESU	ILTS	SPECIFICATIONS
01. CHARACTERS I. Appearance	White, crystalline powder.		White or almost white, crystalline powder.
ii. Solubility	Freely soluble in water, in methanol and in methylene chloride, slightly soluble in anhydrous ethanol.		Freely soluble in water, in methanol and in methylene chloride, slightly soluble in anhydrous ethanol.
iii. Melting point		213°C with	Melts at about 213° C with decomposition.
02. IDENTIFICATION			
IR Absorption	Concordant with working standard		IR Absorption spectrum of the sample concordant with that of the Diltiazem hydrochloride CRS / working standard.
CHLORIDES	Positive		It gives reaction to chlorides.
03. APPEARANCE OF SOLUTION	Clear and colorless		Clear and colourless.
04. pH	4.9		4.3 to 5.3
05. SPECIFIC OPTICAL ROTATION	+118°		+ 115° to + 120°
06. RELATED SUBSTANCES (By HP			
Impurity F	Not Quantified		Not more than 0.3% w/w
Unspecified Impurities	Not Quantified		Not more than 0.10% w/w each
Total Impurities	Not Quantified		Not more than 0.30% w/w
07. HEAVY METALS	Less than 10 ppm		Not more than 10 ppm
08. LOSS ON DRYING	0.22%		Not more than 0.50% w/w
09. SULPHATED ASH	0.02%		Not more than 0.10% w/w
10. ASSAY (By Titration) (On dried basis) ADDITIONAL TESTS: 1. RESIDUAL SOLVENTS:	100.16%		Not less than 98.50% w/w and Not more than 101.00% w/w
Toluene	182 ppm		Not more than 750 ppm
Methanol	211 ppm		Not more than 500 ppm
Isopropyi Alcohol	5 ppm		Not more than 1000 ppm
Ethyl Acetate	0 ppm		Not more than 2500 ppm

Prepared by Executive-QC

Checked by Manager-QC

Approved by General Manager-QC

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