

CERTIFICATE OF ANALYSIS

		COMPENSION	<u> </u>
PRODUCT : DILTIAZEM HCI (MICRONISED)		COMPENDIA	: Ph.Eur7.7
BATCH NO. : DIL/M-24813		QUANTITY	: 500 Kg
MFG. DATE: DECEMBER.2013	9	EXP. DATE	: NOVEMBER.2018
QC A.R. No.: FP/300/2013			
TESTS	F	RESULTS	SPECIFICATIONS
01. CHARACTERS	18		
i. Appearance	A white,	crystalline powder.	White or almost white, crystalline powder.
ii. Solubility		oluble in water, in	Freely soluble in water, in
		and in methylene	methanol and in methylene
		slightly soluble in	chloride, slightly soluble in
iii Malting point		s ethanol.	anhydrous ethanol.
iii. Melting point	Melted decompo	at 212°C with	Melts at about 213° C with
02. IDENTIFICATION	decompo	Sition.	decomposition.
IR Absorption	Concorda	ant with working	IR Absorption spectrum of the
The Association	standard		sample is 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	4.8		4.3 to 5.3
05. SPECIFIC OPTICAL ROTATION	+117°		+ 115° to + 120°
06. RELATED SUBSTANCES			
i. Impurity F	Not Quar		Not more than 0.3% w/w
ii. Unspecified Impurities	Not Quar		Not more than 0.10% w/w each
iii.Total Impurities	Not Quar		Not more than 0.30% w/w
07. HEAVY METALS	Less than 10 ppm 0.21%		Not more than 10 ppm
08. LOSS ON DRYING		1	Not more than 0.50% w/w
09. SULPHATED ASH	0.03%		Not more than 0.10% w/w
10. ASSAY (By Titration) (On dried basis)	99.86%		Not less than 98.50% w/w and Not more than 101.00% w/w
ADDITIONAL TEST:			Not more than 101.00% w/w
PARTICLE SIZE			
100%	25 Micro	ns	100% Less than 100 Microns
Surface Area	1.93 m ² /g		For Information
RESIDUAL SOLVENTS (BY GC-HS)		,	
Toluene	303 ppm		Not more than 750 ppm
Methanol	214 ppm	27	Not more than 500 ppm
Isopropyl Alcohol	Not detec	eted	Not more than 1000 ppm
Ethyl Acetate	1 ppm		Not more than 2500 ppm
Bulk Density Tapped Density	0.29 g/m		For Information
raphen neusity	0.49 g/m		For Information

REMARKS: The product conforms to Ph.Eur.-7.7 & Customer's Specifications

Prepared by Executive-QC

Checked by Manager-QC Approved by Manager-QC

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