

CERTIFICATE OF ANALYSIS

PRODUCT : DILTIAZEM HCI		COMPENDIA	
(MICRONISED)		OOMII LINDIA	. FII.Lui6.0
BATCH NO.: DIL/M-02215		QUANTITY	: 500 Kg
MFG. DATE: JANUARY.2015		EXP. DATE	: DECEMBER.2019
	'AR No	o.: FP/029/2015	: BEOLINBLIX.2019
TESTS RESULTS			SPECIFICATIONS
TESTS RESULTS SPECIFICATIONS 01. CHARACTERS			
-	White c	rystalline powder.	White or almost white emetalling
i. Appearance	vviite, erystamile powder.		White or almost white, crystalline powder.
ii. Solubility	Freely s	oluble in water, in	Freely soluble in water, in
•	methanol and in methylene		methanol and in methylene
	chloride,	slightly soluble in	chloride, slightly soluble in
	anhydrou	s ethanol.	anhydrous ethanol.
iii. Melting point	Melted	at 213°C with	Melts at about 213° C with
02 IDENTIFICATION	decompo	sition.	decomposition.
02. IDENTIFICATION			
IR Absorption	Concordant with working standard		IR Absorption spectrum of the
	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 colourless		Clear and colourless.
04. pH	4.7		4.3 to 5.3
05. SPECIFIC OPTICAL ROTATION +118°			+ 115° to + 120°
06. RELATED SUBSTANCES			
i. Impurity F	0.06%		Not more than 0.3% w/w
ii. Unspecified Impurities	Not Quar	tified	Not more than 0.10% w/w each
iii.Total Impurities	0.06%		Not more than 0.30% w/w
07. HEAVY METALS	Less than 10 ppm		Not more than 10 ppm
08. LOSS ON DRYING	0.21%		Not more than 0.50% w/w
09. SULPHATED ASH	0.04%		Not more than 0.10% w/w
10. ASSAY (By Titration)	100.01%		Not less than 98.50% w/w and
(On dried basis)			Not more than 101.00% w/w
ADDITIONAL TEST:			
PARTICLE SIZE	00.14		
100% Surface Area	22 Microns 2.02 m ² /gm		100% Less than 100 Microns
RESIDUAL SOLVENTS (BY GC-HS)	2.02 111-79	Ш	For Information
Toluene	272 ppm		Not more than 750 ppm
Methanol	167 ppm		Not more than 500 ppm
Isopropyl Alcohol	11 ppm		Not more than 1000 ppm
Ethyl Acetate	2 ppm		Not more than 500 ppm
Bulk Density	0.27 g/ml		For Information
Tapped Density REMARKS: The product conforms to	0.48 g/ml		For Information

REMARKS: The product conforms to Ph.Eur.-8.0 & Customer's Specifications

Prepared by Executive-QC

Checked by Manager-QC

Approved by Manager-QC

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