

QAD-F-3002-00

CERTIFICATE OF ANALYSIS			
PRODUCT : DILTIAZEM HC)		COMPEND	IA : Ph.Eur8.0
BATCH No. : DIL/M-21816		BATCH QUANTITY : 500,00 Kg	
MFG. DATE : MAY.2016		EXP. DATE : APRIL.2021	
APPROVED ON: 09/06/16		DISPATCH	QUANTITY: 50.00Kg
QC A.R. No.: FP/136/2016			
TESTS	RESL		SPECIFICATIONS
1. CHARACTERS	A		
i. Appearance ii. Solubility	White, crystalline Freely soluble methanol and chloride, slightl anhydrous ethan	in water, in in methylene ly soluble in	White or almost white, crystalline powder Freely soluble in water, in methanol and in methylene chloride, slightly soluble in anhydrous othanol.
ili. Melting point	Melts at decomposition.	213°C with	Melts at about 213° C with decomposition.
2. 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.
3. APPEARANCE OF SOLUTION	Clear and colorless		Clear and colourless.
4. pH	4.0		4.3 to 5.3
5. SPECIFIC OPTICAL ROTATION	+117°		+ 115° to + 120°
R RFI ATFO SUBSTANCES (By HPLC)			Control of the Contro
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
7. HEAVY METALS	Less than 10 ppm		Not more than 10 ppm
8. LOSS ON DRYING	0.20%		Not more than 0.50% w/w
9. SULPHATED ASH	0.02%		Not more than 0.10% w/w
10. ASSAY (By Titration) (On dried basis) ADDITIONAL TESTS: 1. RESIDUAL SOLVENTS:	99.52%		Not less than 98.50% w/w and Not more than 101.00% w/w
Toluene	366 ppm		Not more than 750 ppm
Methanol	254 ppm		Not more than 500 ppm
Isopropyl Alcohol	0 ppm		Not more than 1000 ppm
Ethyl Acetate	1 ppm		Not more than 2500 ppm

REMARKS: The product conforms to Ph.Eur.-8.0 Specifications

Prepared by Sign & Date
Executive-QC

Checked by Sign & Date
Manager-QC

Approved by Sign & Date General Manager-QC

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