

## QUALITY CONTROL DEPARTMENT CITALOPRAM HYDROBROMIDE - Ph.Eur.

## **CERTIFICATE OF ANALYSIS**

Commercial batch # : CTH/1209265

In-house Batch #

: 2CTH9/12245

Mfg. Date

Specification #

: September- 2012

: QCD/SP/FP/CTH/004-R<sub>3</sub>

Dispatch Qty.

: 40.00 Kg

Batch Qty.

: 66.20 Kg

Retest. Date

: August - 2016

Method #

: QCD/MH/FP/CTH/004-R2

il. #.	TESTS	OBSERVATIONS	STANDARD LIMIT
1	Characters		
	- Appearance	Almost white crystalline powder	White or almost white crystalline powder
	- Solubility	Meets the requirement	Sparingly soluble in water and in anhydrous ethanol.
2	Identification - Optical rotation	Meets the requirement	Should be positive.
	- IR absorption spectrophotometry	Meets the requirement	The IR absorption spectrum of sample should be concordant with that of working standard
	- Test for Bromide	Positive	Should be positive
3	Loss on drying at 105°C for 4 hrs	0.20%	Not more than 0.5%
4	Optical rotation (5% solution in methanol at 20°C)	0.01°	Between -0.10° and + 0.10°
5	Sulphated ash	0.03%	Not more than 0.1%
6	Heavy metals	Less than 20 ppm	Not more than 20ppm
7	Related substances by HPLC Impurities at 230 nm - Impurity - B - Impurity - D - Maximum unspecified impurity - Sum of the impurities(Other than impurity-G)	Not detected Not detected Below disregard limit (0.05%) Not found	Not more than 0.15% Not more than 0.2% Not more than 0.10% Not more than 0.5%
	Impurities at 254 nm - Impurity –G	Below detection limit (0.0040%)	Not more than 0.15%
8	Assay by Potentiometry (on dried basis)	99.7%	99.0% - 101.5%
9 a)	Additional tests Residual solvents - Methanol - Isopropyl Alcohol - Toluene	53ppm 93 ppm Below detection limit( 0.5 ppm)	Not more than 500ppm Not more than 500ppm Not more than 100 ppm

Remark: The product complies with the above specification + Customer's specification (CSO# CSO/506-R<sub>1</sub>/12).

Storage condition: Store in airtight containers below 25°C

Note: The values given in the parenthesis are of Below detection limit and disregard limit of residual solvents and HPLC

PREPARED BY

Date

CHECKED BY

APPROVED BY

Date

A Jubilant Bhartia Company

**OUR VALUES** 



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