

QUALITY CONTROL DEPARTMENT CITALOPRAM HYDROCHLORIDE - Ph.Eur.

CERTIFICATE OF ANALYSIS

Commercial batch # : CHL/1302002

Dispatch Qty.

: 50.00 Kg

In-house Batch #

: 2CHL2/13002

Batch Qty.

: 64.30 Kg

Mfg. Date

: February- 2013

Retest. Date

: January- 2017

Specification #

OCD/SP/EP/CHI /001-R

Method #

: QCD/MH/FP/CHL/001-R

Specifi	cation # : QCD/SP/FP/CHL/001	1-R ₁ Method #	: QCD/MH/FP/CHL/001-R ₁
SI. #.	TESTS	OBSERVATIONS	STANDARD LIMIT
1	Characters - Appearance	Almost white crystalline powder	White or almost white crystalline powder
	- Solubility	Meets the requirement	Very soluble in water, freely soluble i
2	Identification		anhydrous ethanol.
	- Optical rotation	Meets the requirement	Sample is to comply with the test
	- IR absorption spectrophotometry	Meets the requirement	The IR absorption spectrum of sample should be concordant with that of working standard
	- Test for Chloride	Positive	Should be positive
3	Appearance of solution	Meets the requirement	Should be clear and not more intense colored than reference solution Y_{θ}
4	Loss on drying at 105°C for 4 hrs	0.21%	Not more than 0.5%
5	Optical rotation (5% in methanol at 20°C)	0.02°	Between -0.10° and + 0.10°
6	Sulphated ash	0.04%	Not more than 0.1%
7	Heavy metals	Less than 20 ppm	Not more than 20ppm
8	Related substances by HPLC		STRUKTURE STRUKTURE
	Impurities at 230 nm - Impurity - B	Not detected	Not more than 0.15%
	- Maximum unspecified impurity	Below disregard limit (0.05%)	Not more than 0.10%
	- Sum of the impurities	Not found	Not more than 0.2%
9	Assay by Potentiometry (on dried basis)	101.2%	99.0% - 101.5%
10	Additional tests		
a)	Residual solvents		NMT 1000 ppm
	- Methanol	18 ppm 652 ppm	NMT 3000 ppm
	- Isopropyl alcohol - Toluene	Below detection limit (0.6 ppm)	NMT 100 ppm
	- Methylene dichloride	Below detection limit (7.5 ppm)	NMT 300 ppm NMT 300 ppm
	- Tetrahydrofuran	Below detection limit (0.48 ppm)	NMT 1000 ppm
	- Cyclohexane	6 ppm	

Remark: The product complies with above specification+ Customer's specification (CSO/459-R₂/13) Storage condition: Store in airtight containers below 25°C

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

PREPARED BY

Date

Pulsalis

CHECKED BY Date

ED BY : North

APPROVED BY

11/18

A Jubilant Bhartia Company

- OUR VALUES





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