

QUALITY CONTROL DEPARTMENT CITALOPRAM HYDROCHLORIDE - Ph.Eur. **CERTIFICATE OF ANALYSIS**

Commercial batch #: CHL/1212006

Dispatch Qty.

: 50.00 Kg

In-house Batch # : 2CHL2/12006

Batch Qty.

: 63.20 Kg

Potost Data

· November 2016

Mfg. D	ate : December- 2012	Retest. Da	te : November– 2016
Specification # : QCD/SP/FP/CHL/00		1-R ₁ Method #	: QCD/MH/FP/CHL/001-R ₁
SI. #.	TESTS	OBSERVATIONS	STANDARD LIMIT
1	Characters - Appearance	Almost white crystalline pow	wder White or almost white crystalline powder
	- Solubility	Meets the requirement	Very soluble in water, freely soluble in anhydrous ethanol.
2	Identification - 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 intensely colored than reference solution Y ₆
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)	-0.01°	Between -0.10° and + 0.10°
6	Sulphated ash	0.03%	Not more than 0.1%
7	Heavy metals	Less than 20 ppm	Not more than 20ppm
8	Related substances by HPLC Impurities at 230 nm - Impurity - B - Maximum unspecified impurity - Sum of the impurities	Not detected 0.06% 0.06%	Not more than 0.15% Not more than 0.10% Not more than 0.2%
9	Assay by Potentiometry (on dried basis)	100.9%	99.0% - 101.5%
10 a)	Additional tests Residual solvents - Methanol - Isopropyl alcohol - Toluene - Methylene dichloride - Tetrahydrofuran - Cyclohexane	Below quantification limit(10 957ppm Below detection limit (0.6 p Below detection limit (7.5 p Below detection limit (0.48 12 ppm	pm) NMT 300 ppm NMT 300 ppm pm) NMT 300 ppm

Remark: The product complies with above specification+ Customer's specification (CSO/459-R₁/11)

Storage condition: Store in airtight containers below 25°C

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

solvents

PREPARED BY

CHECKED BY

APPROVED BY

A Jubilant Bhartia Company

OUR VALUES



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