

QUALITY CONTROL DEPARTMENT CITALOPRAM HYDROCHLORIDE - Ph.Eur.

CERTIFICATE OF ANALYSIS

Commercial batch #: CHL/1307005

Dispatch Qty.

: 52.00 Kg

In-house Batch #

: 2CHL2/13005

Batch Qty.

: 60.30 Kg

Mfg. Date

: July- 2013

Retest. Date

: June- 2017

1. #.	TESTS	OBSERVATIONS	STANDARD LIMIT
		o o o o o o o o o o o o o o o o o o o	STANDARD ENVIR
1	Characters - Appearance	Almost white crystalline powder	White or almost white crystalline powder
2	- Solubility	Meets the requirement	Very soluble in water, freely soluble anhydrous ethanol.
	Identification - Optical rotation	Meets the requirement	Sample is to comply with the test
	- IR absorption spectrophotometry	Meets the requirement	The IR absorption spectrum of sar should be concordant with that of wor standard
	- Test for Chloride	Positive	Should be positive
3	Appearance of solution	Meets the requirement	Should be clear and not more inten colored than reference solution Y ₆
4	Loss on drying at 105°C for 4 hrs	0.20%	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	0.05%	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		(CSO/159/R)/19)
	 Impurity - B Maximum unspecified impurity Sum of the impurities 	Not detected 0.05% 0.05%	Not more than 0.15% Not more than 0.10% Not more than 0.2%
9	Assay by Potentiometry (on dried basis)	99.9%	99.0% - 101.5%
10 a)	Additional tests Residual solvents - Methanol - Isopropyl alcohol - Toluene - Methylene dichloride - Tetrahydrofuran - Cyclohexane	21 ppm 491 ppm Below detection limit (0.6 ppm) Below detection limit (7.5 ppm) Below detection limit (0.48 ppm) 11 ppm	NMT 1000 ppm NMT 3000 ppm NMT 100 ppm NMT 300 ppm NMT 300 ppm NMT 1000 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

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CHECKED BY

21/07/12

APPROVED BY Date

A Jubilant Bhartia Company







Jubilant Life Sciences Limited # Plot No. 18, 56, 57 & 58, KIADB Industrial Area, Nanjangud-571 302, Mysore, Karnataka, India Tel: +91 8221 228402-8 Fax: +91 8221 228410/11

Corporate Office: 1-A, Sector 16-A, Noida-201 301, UP, India Tel: +91 120 2516601-11 Fax: +91 120 2516628-30 Regd. Office: Bhartiagram, Gajraula Distt: Amroha-244 223 UP, India