Location: CTO Unit: VI

CERTIFICATE OF ANALYSIS

Dr. Reddy's

Product Name : NARATRIPTAN HYDROCHLORIDE

Batch No. : AFLH008837 /

Specification No.

: S-08-NH-USP/05

Batch Quantity : 2.680 Kg

Date of Manufacture

: #S-08-NH-IH-01/00 : November-2018

A.R.No.

: 040001128432

Retest Date

: October-2023

Reference

: USP

Version No.

Customer Name

: Laboratorio Chile S.A.

Date of Analysis

i 16th January 2019

Storage conditions: Preserve in tight containers at 25°C (77°F)

Excursions allowed between 15°C and 30°C (59° and 86°F)

S.No	1 6 31	Specification	Result
1,0	Description	White to pale yellow solid	Pale yellow solid
2.0	Identification		
2.1	By iR	The absorption maxima in the spectrum obtained with the sample preparation, correspond in position and relative intensity those in the spectrum obtained with a similar preparation of standard.	Matches with standard spectrum
2.2	By HPLC	The retention time of the major peak of the sample corresponds to that of the retention time of the standard.	Complies
2.3	Test for Chlorides	To respond to the test for chlorides	Complies
3.0	Solubility	Freely soluble in DMSO; Slighly soluble in Methanol, and Sparingly soluble in water	Complies
4.0	Water by KF	Not more than 0.50%w/w	0.09% w/w
5.0	Residue on ignition	Not more than 0.10% w/w	0.06% w/w
5.0	Heavy metals	Not more than 0.002%	Less than 0.002%
7.0	Related substances by HPLC		
	Impurity-1 at RRT 0.96	Not more than 0.15%	Less than LOQ(0.04%)
	Impurity-2 at RRT 1.12	Not more than 0.15%	Not detected
	Impurity-3 at RRT 1:18	Not more than 0.15%	0.03%
	Any unknown individua! impurity	Not more than 0.10%	0.02%
	Total impurities	Not more than 1.0%	0.06%
0 /	Assay by HPLC (on anhydrous	Not less than 98.0%w/w and	99.3% w/w
	and solvent free basis)	Not more than 101.0%w/w	
p	lydrochloric acid content by obtentiometric titration On anhydrous basis)	Not less than 9.6%w/w and Not more than 10.0%w/w	9.8 % w/w
0 R	lesidual solvents by GC		
M	fethanol	Not more than 1000 ppm	Below Limit of Detection(8.3 ppm
D	richloromethane	Not more than 300 ppm	Not detected
	thyl Acetate	No. 3 600	Not detected
	oluene	N	Not detected
0 Pa	article size by malvern		TOT GOLDELEG
	0.1)	Not more than 10 µm	lμm
1 1	0.5)	Not more than 30 µm	S μm
14((0.9)		- μπι 18 μπι

Impurity-1: 1.1-dimethyl-4-[5-(2-methyl sulfamoyl ethyl)]-H-3-indolyl] hexabydro pyridinium eldoride.

Impacity-2: 3-(1-methyl-4-piperidyl)-5-methyl Sulfamoyl ethyl-111-2-indole carboxylic acid mono hydrochloride

Impurity - 3: 1 - methyl - 4 - [5 - (2 - methyl sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl) - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - pyridiniumolate and the sulfamoyl ethyl - 1 H - 3 - indoiyl] - hexahydro-1 - indoiyl] - indoiyl] - hexahydro-1 - indoiyl] - indoi

Compiled By:

Checked By:

Approved By:

Date

Date

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