

TEMAD CO.

N DE LOTE:

(ACTIVE PHARMACEUTICAL INGREDIENTS) Quality Control Department Certificate of Analysis



	Product Name: Naltrexone Hydrochloride Al	PI (EP)
Lab No.: AV.3.115	Batch No.: NAH4030802	Analysis Date: 8 Jun. 2025
Mfg. Date: 26 May 2025	Exp. Date: 26 May 2030	QC Code: 66647
Methods Reference: EP11.0		
Packaging and Storage: In an airti	ght container. Protected from light.	

Tests		S	pecification	Results	Pass√ / Fail⊠
Appearance	white or almost white powder, very hygroscopic.			Conforms	✓
Solubility	Freely soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in methylene chloride.		Conforms	✓	
Identification	A: IR Infrared absorption spectrophotometry		Conforms	✓	
	В:	3: It gives reaction (a) of chlorides.		Conforms	✓
Appearance of solution	Solution S is clear and not more intensely coloured than reference solution Y ₆ or B ₆ .		Conforms	/	
Acidity or alkalinity	Not more than 0.2 mL of 0.02 M sodium hydroxide or 0.02 M hydrochloric acid is required to change the colour of the indicator.		Conforms	✓	
Specific Optical rotation		-187 to -195 (anhydrous substance)		-189	/
	Impurity C:		Not more than 0.2%	0.1 %	/
	Impurity D:		Not more than 0.2%	0.1 %	✓
	Impurity E:		Not more than 0.2%	0.15%	✓
	Impurity F:		Not more than 0.2%	0.01%	✓
	Impurity G:	***************************************	Not more than 0.2%	Not detected	✓
	Impurity A:		Not more than 0.1%	Not detected	✓
Related substances	Impurity B:		Not more than 0.1%	Not detected	✓
	Impurity H:		Not more than 0.1%	Not detected	✓
	Impurity I:		Not more than 0.1%	Not detected	✓
	Impurity J:		Not more than 0.1%	Not detected	✓
	Any other imp	ırities:	Not more than 0.1%	0.03 %	✓
	Total:	**************************************	Not more than 1.0%	0.5 %	✓
Ethanol	Maximum 3.09			0.35 %	/
Water	Maximum 10.0%		1.3 %	✓	
Sulfated ash	Maximum 0.1%		0.06 %	✓	
Assay	98.0 per cent to 102.0 per cent (anhydrous substance).		100.2 %	✓	
Residual solvents			Not more than 880 ppm	Not detected	✓
	Chloroform		Not more than 60 ppm	Not detected	✓

	Authorized by: Approved	
M. Hosseini Dr. S. Djuli	Dr. W. Ramin	
Q.C. Manager	Qualified lerson Rejected	
Date: Date:	Hold	