Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
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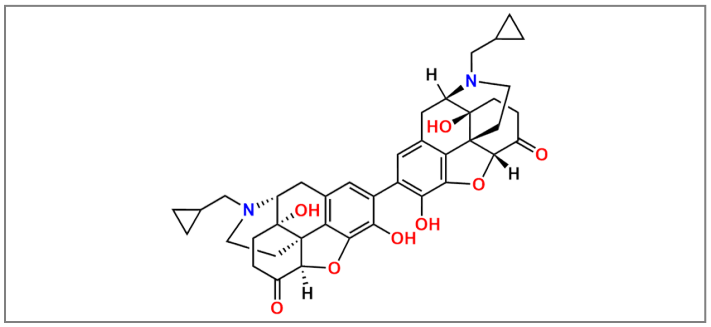
CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2026 Re-test Date: Aug 2029

Product Name: Naltrexone EP Impurity D

Identification:

Chemical Name: 17,17′-Bis(cyclopropylmethyl)-4,5α:4′,5′α-diepoxy3,3′,14,14′-tetrahydroxy-2,2′-bimorphinanyl-6,6′-dione (as per EP)



Synonyms	:	Pseudonaltrexone ; 2,2'-Bisnaltrexone
CAS Number	:	607732-61-6
CAT Number	:	CP-N57004
Molecular Formula	:	C40H44N2O8
Molecular Weight	:	680.8
Batch Number	:	CP-NAL-D-0926
Storage Condition	:	Tightly closed, Inert atmosphere at 2 to 8° C
Shipping condition	:	All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	96.57%
5)	1HNMR	Confirm to structure
6)	FT-IR	Confirm to Structure
7)	Weight loss by TGA	2.30%
8)	Potency	94.35%

Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.