

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
Navi Mumbai 410208, MH, INDIA. Email- info@chemicea.com Mob- +91 9284897978

CERTIFICATE OF ANALYSIS

Analysis Date:

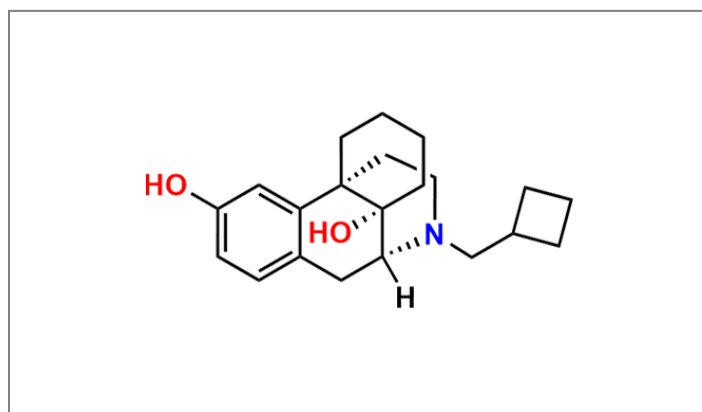
Re-test Date:

Product Name: Butorphanol (In House Standard)

Identification:

Chemical Name: (4bS,8aS,9R)-11-(cyclobutylmethyl)-5,6,7,8,9,10-hexahydro-8aH-9,4b-(epiminoethano)phenanthrene-3,8a-diol

Synonyms : NA
CAS Number : 42408-82-2
CAT Number : CP-B142000
Molecular Formula : C₂₁H₂₉NO₂
Molecular Weight : 327.47



Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>98%
5)	H1NMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

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