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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2024

Re-test Date: Mar 2027

**Product Name: Tramadol EP impurity E**

### Identification:

Chemical Name: (2RS)-2-[(dimethylamino)methyl]cyclohexan-1-one (as per EP)

Synonyms : Tramadol USP Related  
Compound B

CAS Number : 15409-60-6

CAT Number : CP-T28005

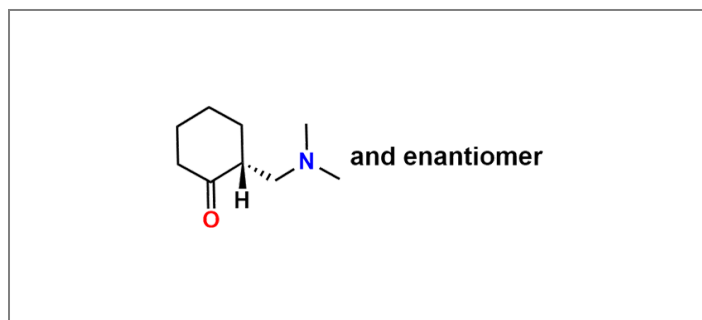
Molecular Formula : C<sub>9</sub>H<sub>17</sub>NO

Molecular Weight : 155.2

Batch Number : CP-TRA-E-0925

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 By LCMS	Confirm to structure
4)	Purity By GC	97.26%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency by TGA	-



### 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.