## **CERTIFICATE OF ANALYSIS**

(Certificate No. KMT010007-01)

**Release Date: 27/12/2024 Re-test Date:** 26/12/2027

# **Tramadol Impurity B**

## **Identification**

#### **Chemical Name:**

[2-(3-methoxyphenyl)cyclohex-1-en-1-yl]-N,N-dimethylmethanamine hydrochloride(as per EP)

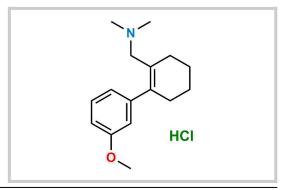
Alt. Name : Tramadol 1,2-Olefin Hydrochloride

(USP)

CAT No. : KMT010007 CAS No. : 66170-32-9

Molecular Formula : C16H23NO : HCl

**Molecular Weight** : 245.4 : 36.5



: Confirm

1H NMR

## **Analytical Information**

Batch No. : T010007-091-110 **Solubility** : Acetonitrile **Description** : White Solid **Mass** : Confirm **HPLC Purity** : 94.49 % IR : Confirm

% Potency : 92.41 %

### **Additional Information**

Weight Loss By TGA

**Long Term Storage** : Store at 2-8 deg. C for long term storage

: 2.20 %

: Product is stable to be Shipped at Room Temperature **Shipping Condition** 

**Potency** = [100 - 2.20(Weight Loss By TGA)] x [94.49(HPLC Purity)]/100 = 92.41 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		01/01/2025
Reviewed & Approved By	Quality Control	Jatin Patel		01/01/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA