# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMS010166-01)

**Release Date:** 23/12/2024 **Re-test Date:** 23/12/2024

# Sitagliptin Triazole Hydrochloride

### **Identification**

#### **Chemical Name:**

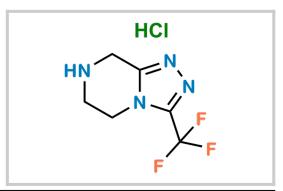
3-(Trifluoromethyl)-5,6,7,8-tetrahydro-[1,2,4]triazolo[4,3-a]pyrazine hydrochloride;

**CAT No.** : KMS010166

**CAS No.** : 762240-92-6

**Molecular Formula** : C6H7F3N4 : HCl

 $\textbf{Molecular Weight} \hspace{0.5cm} : 192.1:36.5$ 



## **Analytical Information**

Batch No. : S010166-091-096 **Solubility** : Methanol **Description** : White Powder **Mass** : Confirm **HPLC Purity** : Confirm : 97.1 % IR Weight Loss By TGA : 0.53 % 1H NMR : Confirm

**Residue On Ignition** : 0.12 % % **Potency** : 96.47 %

### **Additional Information**

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

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

**% Potency =** [100 - 0.12(Residue On Ignition)] x [97.1(HPLC Purity)]/100 = 96.47 %

Note: Material tested as per ISO17034

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		23/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		23/12/2024

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