# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMB120027-01)

**Re-test Date:** 23/12/2027

#### **Release Date:** 24/12/2024

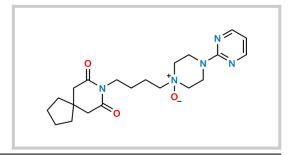
# **Buspirone N-Oxide**

### **Identification**

### **Chemical Name** :

8-[4-[4-(Pyrimidin-2-yl)piperazin-1-yl]butyl]-8-azaspiro[4.5]-decane-7,9-dione N-oxide ;

Alt. Name	: Buspirone N-Oxide		
CAT No.	: KMB120027		
CAS No.	: 220747-81-9		
Molecular Formula	: C21H31N5O3		
Molecular Weight	: 401.5		



## **Analytical Information**

Batch No.	: B120027-091-097	Solubility	: Acetonitrile
Description	: Light Brown Solid	Mass	: Confirm
HPLC Purity	: 98.76 %	IR	: Confirm
Weight Loss By TGA	: 1.57 %	1H NMR	: Confirm
% Potency	: 97.21 %		

## **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		
<b>% Potency =</b> [100 - 1.57(Weight Loss By TGA)] x [98.76(HPLC Purity)]/100 = 97.21 %			

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		24/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		24/12/2024

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