

# CERTIFICATE OF ANALYSIS

(Certificate No. KMB120027-01)

Release Date: 24/12/2024

Re-test Date: 23/12/2027

## 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 ;

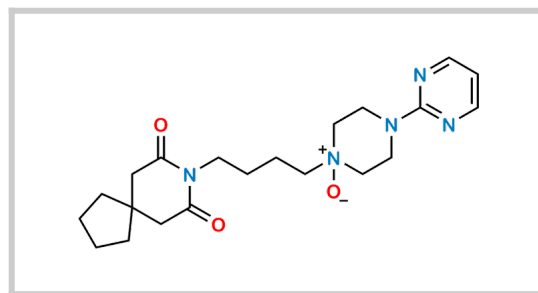
**Alt. Name** : Buspirone N-Oxide

**CAT No.** : KMB120027

**CAS No.** : 220747-81-9

**Molecular Formula** : C<sub>21</sub>H<sub>31</sub>N<sub>5</sub>O<sub>3</sub>

**Molecular Weight** : 401.5



### Analytical Information

**Batch No.** : B120027-091-097

**Description** : Light Brown Solid

**HPLC Purity** : 98.76 %

**Weight Loss By TGA** : 1.57 %

**% Potency** : 97.21 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### 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 - 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, <sup>1</sup>HNMR, IR and TGA