

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC022001-01)

**Release Date:** 17/07/2024

**Re-test Date:** 16/07/2027

## **Carbidopa EP Impurity G**

### **Identification**

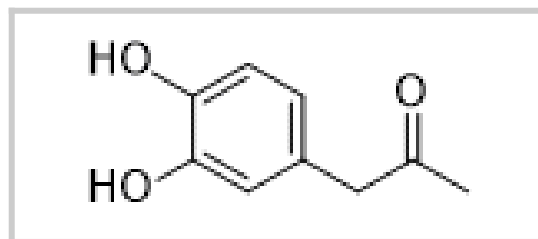
**Chemical Name :**  
1-(3,4-dihydroxyphenyl)propan-2-one

**CAT No.** : KMC022001

**CAS No.** : 2503-44-8

**Molecular Formula** : C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>

**Molecular Weight** : 166.17



### **Analytical Information**

**Batch No.** : CAR2/IMP-G/17-18

**Description** : Light Brown Solid

**HPLC Purity** : 94.85 %

**Weight Loss By TGA** : 0.68 %

**% Potency** : 94.21 %

**Solubility** : Methanol

**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 - 0.68(Weight Loss By TGA)] x [94.85(HPLC Purity)]/100 = 94.21 %  
-Re-tested on 17.07.2024.

**Recommendation** : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 14/06/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 14/06/2025 |

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA