

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC022001-01)

Release Date: 17/07/2024

Re-test Date: 16/07/2027

## Carbidopa EP Impurity G

### Identification

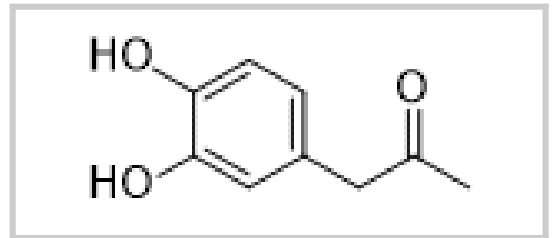
**Chemical Name :**  
1-(3,4-dihydroxyphenyl)propan-2-one

**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

**<sup>13</sup>C 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 %

Remarks : COA Re-generated on 17.04.2024

-13 CNMR added on 17.04.2024

-Re-tested on 17.07.2024.

**Recommendation :** Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		31/01/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		31/01/2025

**Attachments :** COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA