

CERTIFICATE OF ANALYSIS

(Certificate No. KMC022001-01)

Release Date: 30/05/2022

Re-test Date: 29/05/2025

Carbidopa EP Impurity G

Identification

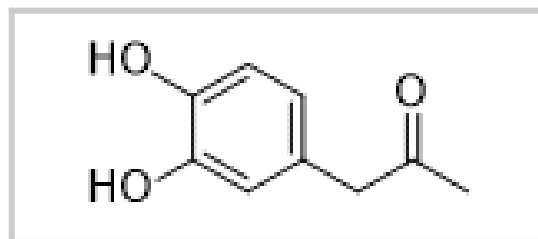
Chemical Name :
1-(3,4-dihydroxyphenyl)propan-2-one

CAT No. : KMC022001

CAS No. : 2503-44-8

Molecular Formula : C₉H₁₀O₃

Molecular Weight : 166.17



Analytical Information

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

Description : Light Brown Solid

HPLC Purity : 99.05 %

Weight Loss By TGA : 0.59 %

% Potency : 98.47 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 0.59(Weight Loss By TGA)] x [99.05(HPLC Purity)]/100 = 98.47 %

Remarks : COA Re-generated on 17.04.2024

-13 CNMR added on 17.04.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		17/04/2024

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA