

CERTIFICATE OF ANALYSIS

(Certificate No. KMC022013-01)

Release Date: 07/10/2024

Re-test Date: 06/10/2027

Carbidopa EP Impurity F

Identification

Chemical Name :

Ethyl (2S)-3-(3,4-dihydroxyphenyl)-2-hydrazino-2-methylpropanoate

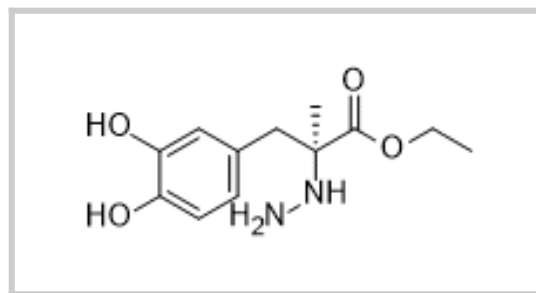
Alt. Name : Carbidopa Ethyl Ester (USP)

CAT No. : KMC022013

CAS No. : 1458640-32-8

Molecular Formula : C₁₂H₁₈N₂O₄

Molecular Weight : 254.3



Analytical Information

Batch No. : C022013-073-406

Description : Yellow Solid

HPLC Purity : 92.29 %

Weight Loss By TGA : 0.42 %

% Potency : 91.9 %

Solubility : ACN : Water (1:1)

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 - 0.42(Weight Loss By TGA)] x [92.29(HPLC Purity)]/100 = 91.9 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		08/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		08/10/2024

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