CERTIFICATE OF ANALYSIS

(Certificate No. KMC022009-01)

Release Date: 20/05/2025 **Re-test Date:** 19/05/2028

CARBIDOPA EP IMPURITY B

Identification

Chemical Name :
Methyl (2S)-2-amino-3-(3,4-dihydroxyphenyl)-2-methylpropanoate (as per EP)

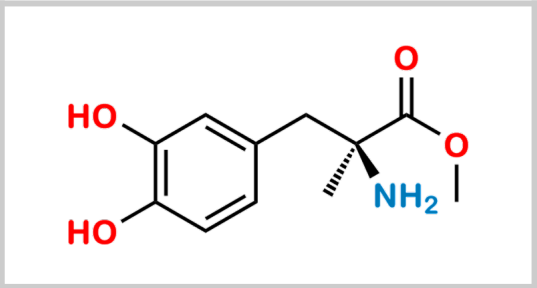
Alt. Name : α-Methyldopa Methyl Ester

CAT No. : KMC022009

CAS No. : 18181-08-3

Molecular Formula : C11H15NO4

Molecular Weight : 225.2



Analytical Information

Batch No. : C022009-102-037

Description : Light Brown Solid

HPLC Purity : 97.82 %

Weight Loss By TGA : 1.39 %

% Potency : 96.46 %

Solubility : ACN : Water :: (2:8)

Mass : Confirm

IR : Confirm

1H 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 - 1.39(Weight Loss By TGA)] x [97.82(HPLC Purity)]/100 = 96.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		21/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		21/05/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA