CERTIFICATE OF ANALYSIS

(Certificate No. KMC022002-01)

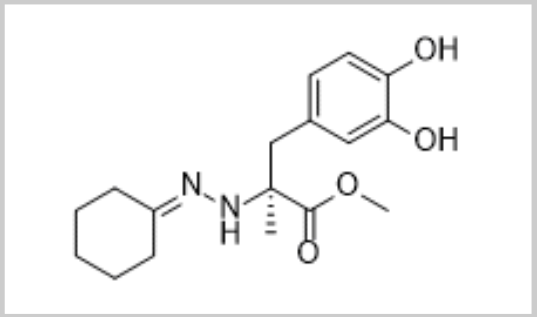
Release Date: 13/07/2024 **Re-test Date:** 12/07/2027

CARBIDOPA EP IMPURITY D

Identification

Chemical Name :
(S)-methyl 2-(2-cyclohexylidenehydrazinyl)-3-(3,4-dihydroxyphenyl)-2-methylpropanoate

Alt. Name	: Cyclohexylidene Carbidopa Methyl Ester
CAT No.	: KMC022002
CAS No.	: 934371-48-9
Molecular Formula	: C17H24N2O4
Molecular Weight	: 320.38



Analytical Information

Batch No.	: CAR-IMP-D-073-271	**Solubility**	: Acetonitrile
Description	: Brown Hygroscopic Solid	**Mass**	: Confirm
HPLC Purity	: 98.39 %	**IR**	: Confirm
Weight Loss By TGA	: 1.01 %	**1H NMR**	: Confirm
% Potency	: 97.4 %		

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 - 1.01(Weight Loss By TGA)] x [98.39(HPLC Purity)]/100 = 97.4 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		06/05/2025

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