

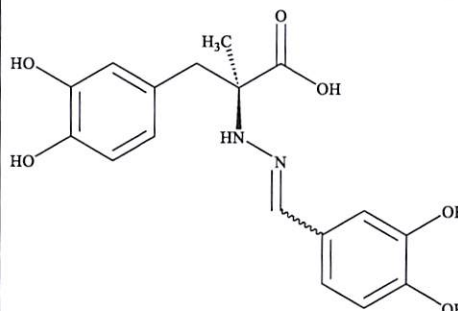
Certificate of Analysis

Certificate No.: 20260615008



Date: June 15, 2026

Retest date: June 11, 2027

Compound Name: Carbidopa Impurity 14	
Synonyms:	(S)-2-(2-(3,4-dihydroxybenzylidene)hydrazinyl)-3-(3,4-dihydroxyphenyl)-2-methylpropanoic acid
TLC Catalogue Number:	C-2137
CAS Number:	N/A
Alternate CAS Number:	N/A
Molecular Weight:	346.34
Molecular Formula:	C ₁₇ H ₁₈ N ₂ O ₆
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7441-053A4
Storage Conditions:	Protect from air, store at -20 °C
Solubility:	Methanol, DMSO



Test Description	Specifications	Results
Visual Description	Brown solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 75.0%	80.6%
Recommendation:	Release. The compound is unstable and can easily deteriorate, particularly in solution. It should be stored as the storage condition stated in COA, and to be used immediately upon received.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/15/2026
Approved by:	Quality Assurance		06/15/2026

Attachments: Peak Attribution Table, Assay Calculation, IR, MS and NMR spectra.