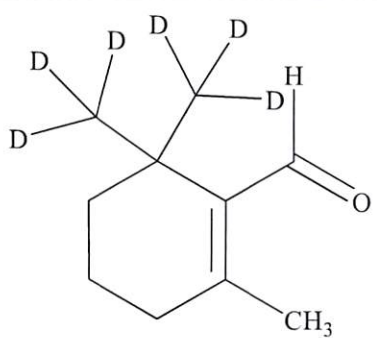


Certificate of Analysis



Certificate No.: 20260625019

Date: June 25, 2026

Retest date: December 23, 2026

Compound Name: <i>beta</i> -Cyclocitral-d ₆		
Synonyms:	2-methyl-6,6-bis(methyl-d ₃)cyclohex-1-ene-1-carbaldehyde	
TLC Catalogue Number:	C-398009	
CAS Number:	1584651-57-9	
Alternate CAS Number:	432-25-7 (non-labelled)	
Molecular Weight:	158.27	
Molecular Formula:	C ₁₀ H ₁₀ D ₆ O	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7510-032A2	
Storage Conditions:	Protect from light and air, store at -20 °C	
Solubility:	Acetonitrile	

Test Description	Specifications	Results
Visual Description	Colorless liquid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.3%
Impurity (HPLC)	RT 7.56, 0.36%; RT 24.97, 0.52%; RT 25.30, 0.22%	
Isotopic Enrichment	Not less than 98.0%	99.9%
Residual Solvents (NMR)	0.1% diethyl ether and 0.3% ethyl acetate	
Assay (qNMR)	Not less than 75.0%	79.9%
Recommendation:	Release. The compound is unstable and can easily deteriorate. 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		06/25/2026
Approved by:	Quality Assurance		06/25/2026

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