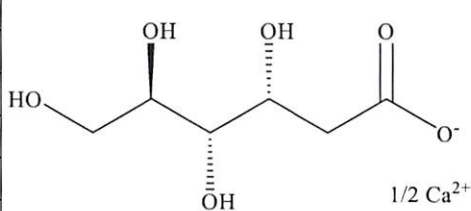


Certificate of Analysis

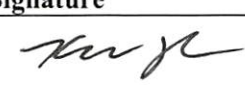

Certificate No.: 20260527001

Date: May 27, 2026

Retest date: May 25, 2029

Compound Name:	2-Deoxy-D-Arabino-Hexonicacid Calcium Salt	
Synonyms:	(3R,4S,5R)-3,4,5,6-tetrahydroxyhexanoate, calcium salt (2:1)	
TLC Catalogue Number:	A-316006	
CAS Number:	74516-89-5	
Alternate CAS Number:	3442-69-1 (free acid)	
Molecular Weight:	179.15 0.5*40.08	
Molecular Formula:	C ₆ H ₁₁ O ₆ . 0.5 Ca	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7457-013A7	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Water	

Test Description	Specifications	Results
Visual Description	White to off-white solid	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%	100.0%
Impurity (HPLC)	N/A	
Optical Rotation	[α] _D ^{25.0} (c=4.00, H ₂ O): +4.1°	[α] _D ^{25.0} (c=0.78, H ₂ O): +3.8°
Residual Solvents (NMR)	0.8% acetonitrile	
Assay (qNMR)	Not less than 80.0%	85.1%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/27/2026
Approved by:	Quality Assurance		05/27/2026

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