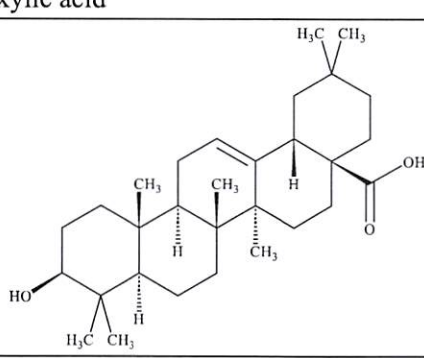


Certificate of Analysis



Certificate No.: 20260603011

Date: June 3, 2026

Retest date: June 1, 2029

Compound Name:	Oleanolic Acid	
Synonyms:	(4aS,6aS,6bR,8aR,10S,12aR,12bR,14bS)-10-hydroxy-2,2,6a,6b,9,9,12a-heptamethyl-1,3,4,5,6,6a,6b,7,8,8a,9,10,11,12,12a,12b,13,14b-octadecahydricene-4a(2H)-carboxylic acid	
TLC Catalogue Number:	B-227002	
CAS Number:	508-02-1	
Alternate CAS Number:	126309-42-0 (Sodium salt)	
Molecular Weight:	456.71	
Molecular Formula:	C ₃₀ H ₄₈ O ₃	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7367-084A6	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, DMF	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.9%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.5%
Residue (TGA at 800 °C)	N/A	0.0%
Optical Rotation	N/A	$[\alpha]_D^{20.0}(c=0.43, CHCl_3): +70.2^\circ$
Residual Solvents (NMR)	2.6% ethyl acetate and 0.1% dichloromethane	
Assay (%)	Not less than 90.0%	96.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/03/2026
Approved by:	Quality Assurance		06/03/2026

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