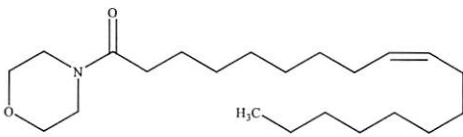


Certificate of Analysis



Certificate No.: **20260603004**

Date: June 3, 2026

Retest date: May 29, 2029

Compound Name:	Oleoylmorpholine	
Synonyms:	(Z)-1-morpholinooctadec-9-en-1-one	
TLC Catalogue Number:	M-208017	
CAS Number:	5299-52-5	
Alternate CAS Number:	N/A	
Molecular Weight:	351.57	
Molecular Formula:	C ₂₂ H ₄₁ NO ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7412-055A3	
Storage Conditions:	Protect from light, hygroscopic, store at 2-8 °C	
Solubility:	Methanol, DMSO, DMF, Acetonitrile	

Test Description	Specifications	Results
Visual Description	Pale yellow 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%	99.7%
Impurity (HPLC)	RT 3.36, 0.12%	
Water Content (KF)	N/A	0.2%
Residue (TGA at 800 °C)	N/A	0.2%
Residual Solvents (NMR)	0.1% methanol	
Assay (%)	Not less than 90.0%	99.2%
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.