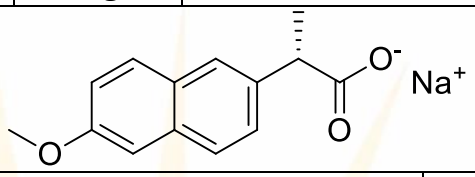
manasa™ Life Sciences
Quality and Reliability...
(An ISO 9001:2015 & 17034:2016 Certified Company)

Standard Material Certificate of Analysis

Product Name	Naproxen Sodium Reference Standard				
Chemical name	(S)-6-Methoxy-α-methyl-2-naphthaleneacetic Acid Sodium Salt; (S)-Naproxen Sodium Salt; 2-Naphthaleneacetic acid, 6-methoxy-α-methyl-, sodium salt, (S)				
CAS Number	26159-34-2	**Lot Qty.**	50.0 g	**M. Wt.**	252.24 g/mol
Lot Number	MLS-NPX-STD/001	**Mfg.**		May-2026	
Molecular formula	$C_{14}H_{13}NaO_3$	**Retest**		May-2028	
COA Date	25-05-2026	**Shipment & Storage**	Shipment: Room temperature. Long term storage: Refrigerator 2-8°C		
Catalogue Number	MLS-NPX-STD				
USP Ref.B.No	R170J0				
Chemical structure					

S. No.	Test Name	Specifications	Results
1	Description	White to pale yellow Color Solid	Complies
2	Identification 1. ^{1}H NMR	Spectral data should confirm the chemical structure.	Complies (Results: Annex-1)
	2. MASS	Spectral data should confirm the chemical structure.	Complies (Results: Annex-2)
	3. FT-IR	Spectral data should confirm the chemical structure	Complies (Results: Annex-3)
3	Purity by HPLC	Not less than 95.0%	99.96% (Results: Annex-4)
4	Water content by KF	Not more than 2.0%	0.697% (Results: Annex-5)
5	Potency	Not less than 90.0%	99.26%

Note:

1. This standard material can be used for qualitative analysis only.
2. Potency Calculation: Potency % = [(100-(Water content by KF)) x (100-% Total Impurities by HPLC)]/100.
3. Caution: Do not dry the material. Use as such. Only for analytical purpose, not for human consumption
4. Traceability: Weigh measurements are done on the balance calibrated with OIML R 111-1 (E) compliant weights, Volumetric measurements and others determinations are traceable to SI units, Gravimetric determinations are traceable to NIST standards.
5. Expanded Uncertainty: 0.25%

Prepared by	Authorized by
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