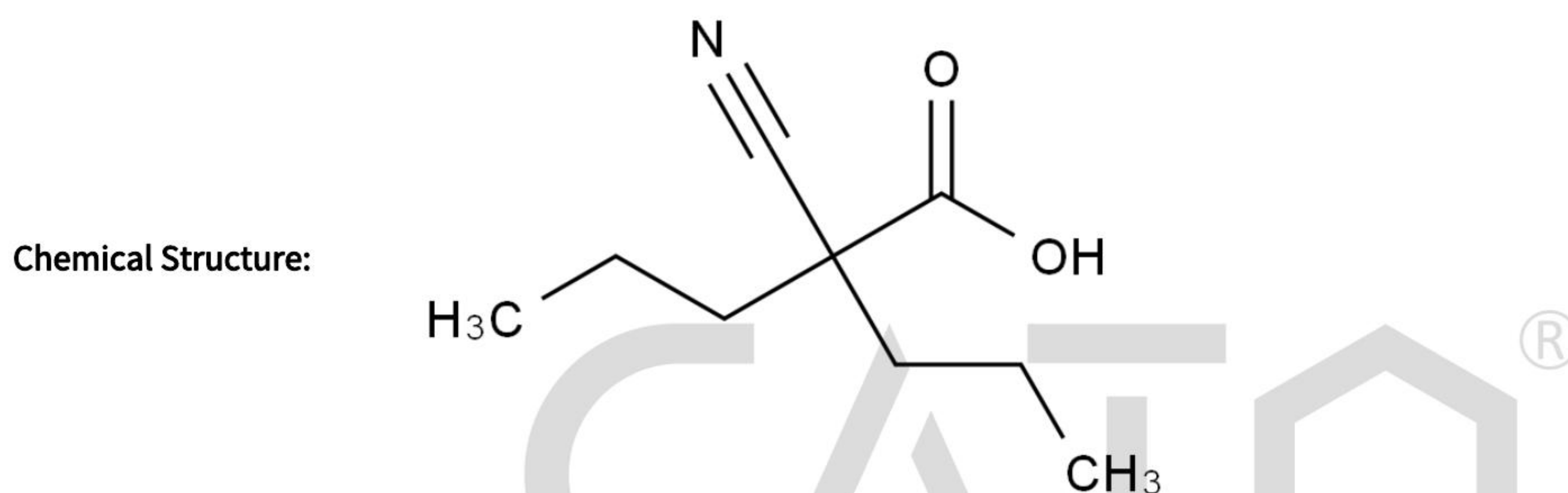


Certificate of Analysis

Reference Material & Standard

Product Name:	2-Cyano-2-propylpentanoic acid	Catalogue Number:	C4X-116656
Synonyms:	N/A	Lot Number:	0819-RF-0091
CAS Number:	66546-91-6	Expiry Date:	Oct 23, 2025
Molecular Formula:	C ₉ H ₁₅ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	169.22		



Test Items	Method	Results
Appearance	Visual inspection	Brown Oil
Identification	HRMS&HNMR	Confirmed
Purity	ELSD	100.000%
Water Content	Karl Fischer	0.83%
Residual Solvents	NMR	0.12% acetonitrile
Assay		99.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity ELSD (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 19, 2024

Date: Aug 20, 2024

Date: Aug 20, 2024

