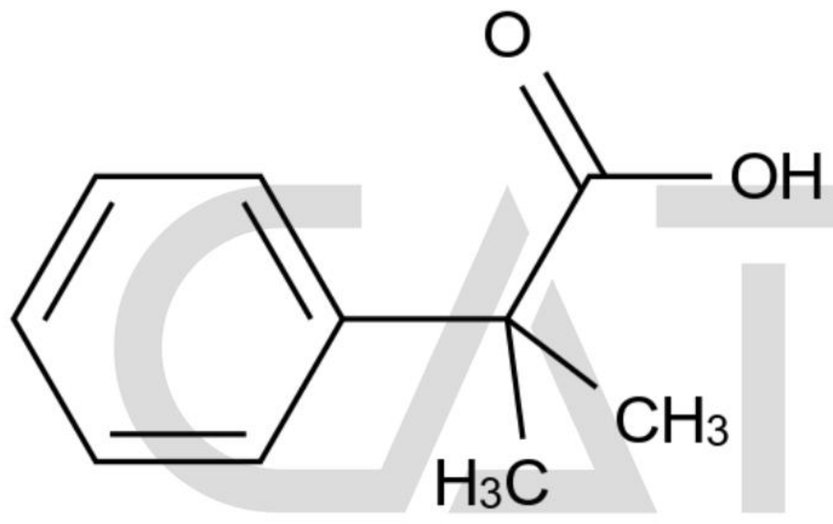
Certificate of Analysis

Reference Material & Standard

Product Name:	2-Methyl-2-phenylpropanoic acid	**Catalogue Number:**	C1634182
Synonyms:	N/A	**Lot Number:**	0521-RH-0079
CAS Number:	826-55-1	**Expiry Date:**	May 26, 2030
Molecular Formula:	$C_{10}H_{12}O_2$	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	164.20	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Methanol	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.548%
Loss on Drying	TGA	1.2416%
Assay		98.3%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: May 27, 2026

Reviewed by: Koi — Date: May 28, 2026

Approved by General Manager: David — Date: May 28, 2026

CATO Research Chemicals Inc.