CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

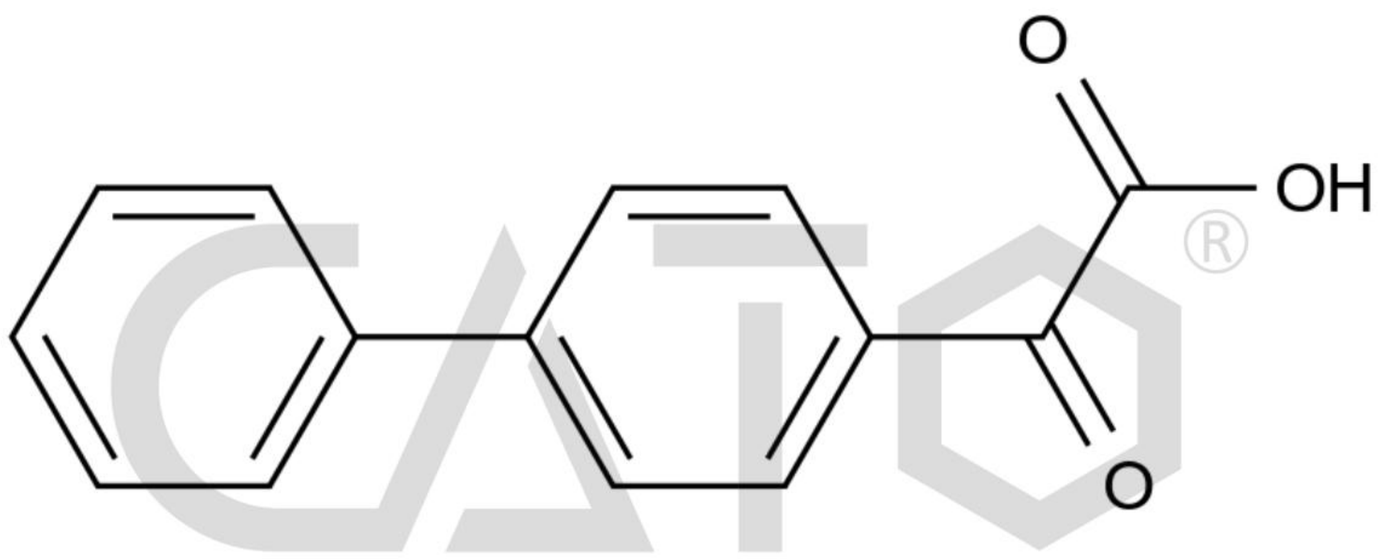
No.: 202602060008

Certificate of Analysis

Reference Material & Standard

Product Name:	2-Oxo-2-(4-phenylphenyl)acetic Acid	**Catalogue Number:**	C1637349
Synonyms:	N/A	**Lot Number:**	0210-RH-0015
CAS Number:	5449-21-8	**Expiry Date:**	Feb 11, 2030
Molecular Formula:	$C_{14}H_{10}O_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	226.23	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.636%
Loss On Drying	TGA	0.0239%
Assay		99.6%

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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: Feb 12, 2026

Reviewed by: Lisa Date: Feb 12, 2026

Approved by General Manager: David Date: Feb 12, 2026

CATO Research Chemicals Inc.

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

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