CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

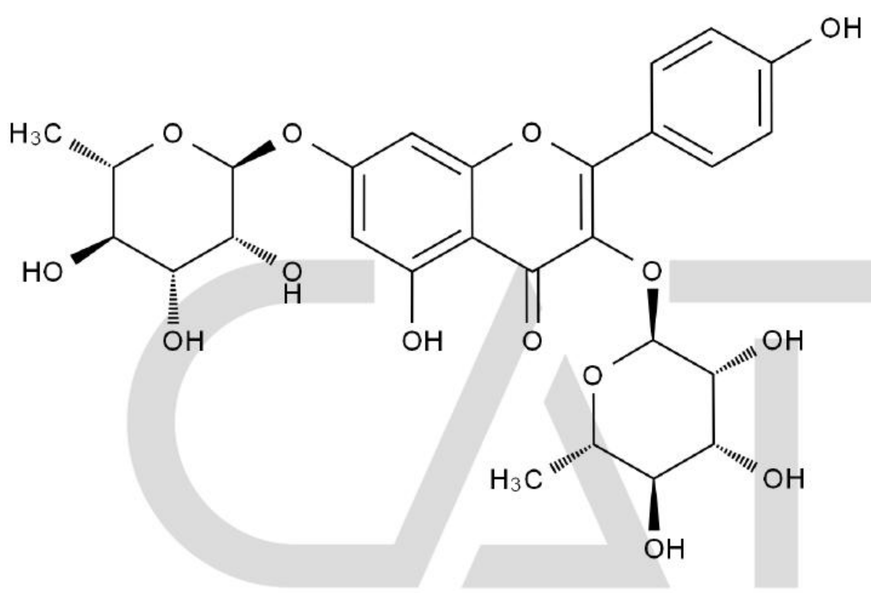
No.: 202510200160

Certificate of Analysis

Reference Material & Standard

Product Name:	Kaempferitrin	**Catalogue Number:**	CCPE901660
Synonyms:	N/A	**Lot Number:**	1020-RG-0087
CAS Number:	482-38-2	**Expiry Date:**	Oct 19, 2029
Molecular Formula:	$C_{27}H_{30}O_{14}$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	578.52		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.860%
Loss On Drying	TGA	7.4847%
Assay		92.4%
Uncertainty		±0.8%

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Comment:

1. 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.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Lisa Date: Oct 20, 2025

Reviewed by: Jinlan Date: Oct 21, 2025

Approved by General Manager: David Date: Oct 21, 2025

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

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