

Certificate of Analysis

Reference Material & Standard

Product Name:	5-Methyl-7-Methoxyisoflavone	Catalogue Number:	CCPE900803
Synonyms:	N/A	Lot Number:	0314-RE-0073
CAS Number:	82517-12-2	Expiry Date:	Mar 14, 2027
Molecular Formula:	C ₁₇ H ₁₄ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	266.29	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.598%
Loss on Drying	TGA	0.0027%
Assay		99.6%
Uncertainty		±2.0%

Comment:

CATO Research Chemicals Inc.

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:

Hin Lam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 15, 2023

Date: Mar 16, 2023

Date: Mar 16, 2023



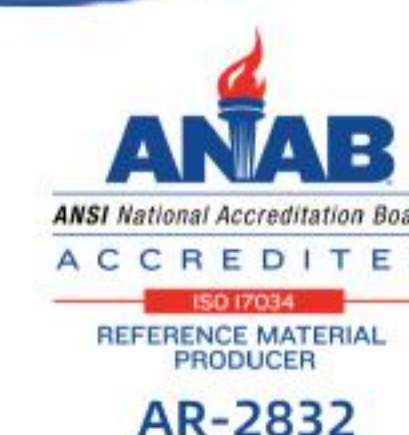
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