

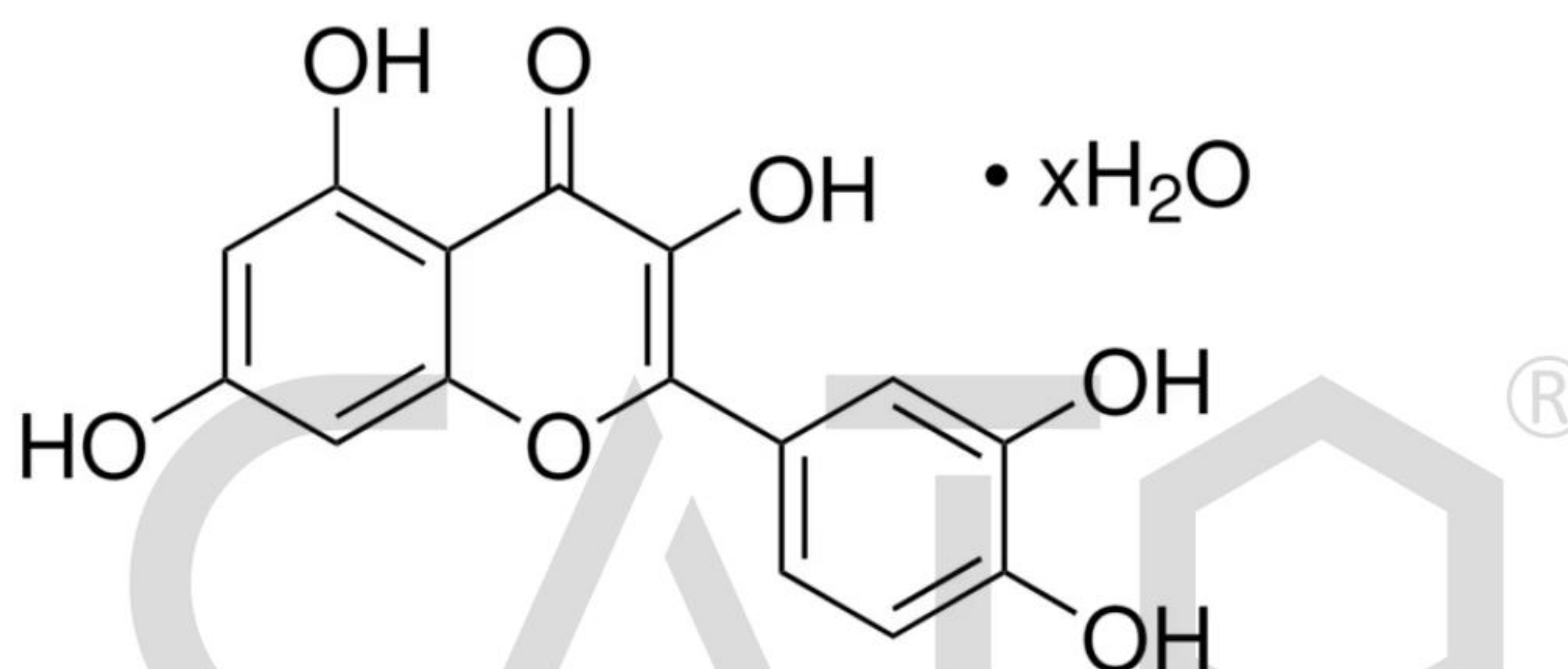
Certificate of Analysis

Reference Material & Standard

Product Name:	Quercetin Hydrate	Catalogue Number:	CCPE901916
Synonyms:	N/A	Lot Number:	0416-RG-0033
CAS Number:	849061-97-8	Expiry Date:	Apr 24, 2029
Molecular Formula:	C ₁₅ H ₁₀ O ₇ · xH ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	302.24 x18.02	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.3%
Assay(free base)	qNMR	84.7%
Uncertainty		±2.6%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 25, 2025

Date: Apr 25, 2025

Date: Apr 25, 2025

