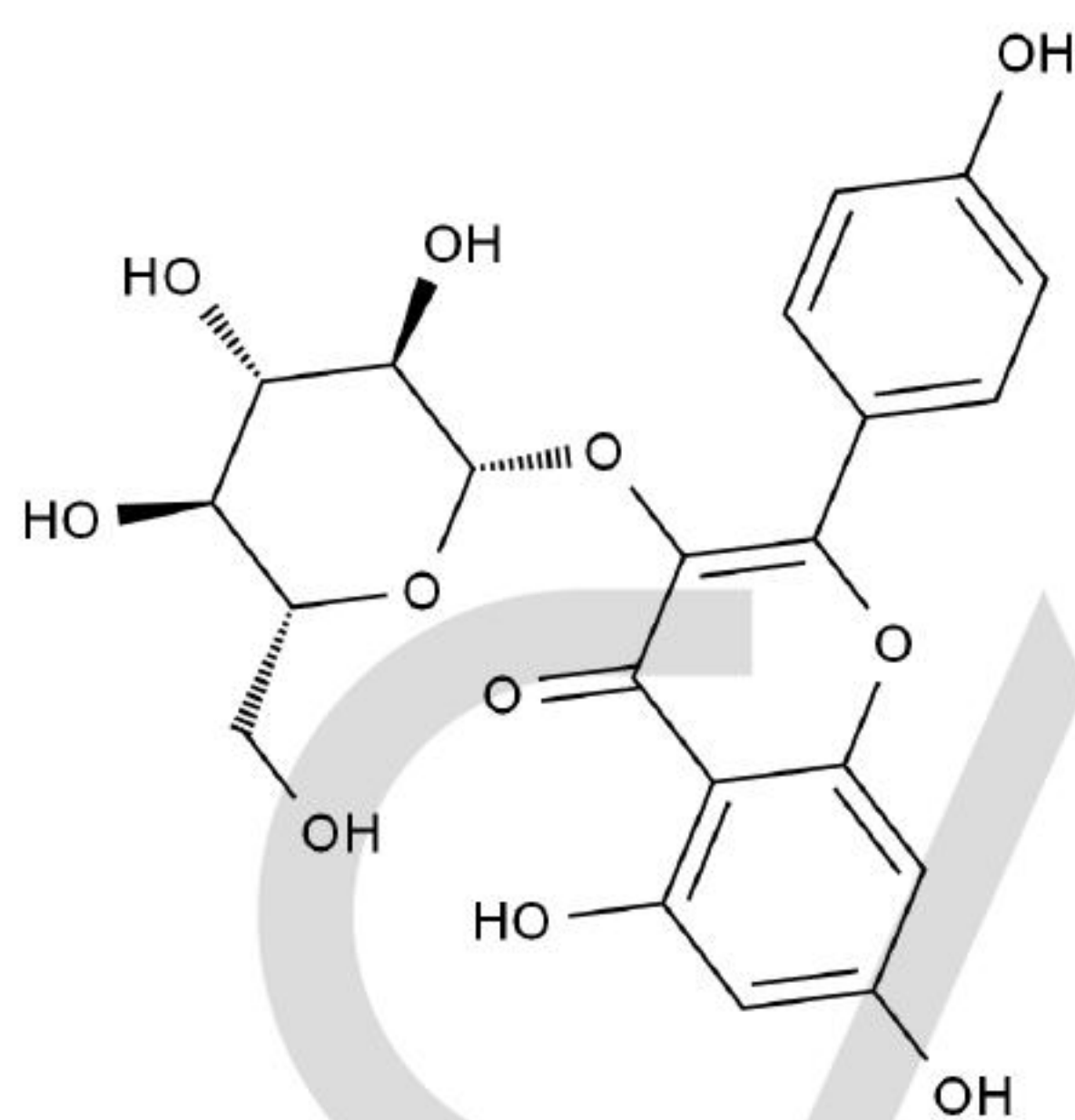


Certificate of Analysis

Reference Material & Standard

Product Name:	Astragalin	Catalogue Number:	CCPE900615
Synonyms:	N/A	Lot Number:	1215-RG-0123
CAS Number:	480-10-4	Expiry Date:	Dec 16, 2029
Molecular Formula:	C ₂₁ H ₂₀ O ₁₁	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	448.38	Shipping Condition:	Shipping at Room Temperature
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.168%
Loss On Drying	TGA	4.0808%
Assay		95.1%
Uncertainty		±0.5%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.
- 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: Dec 17, 2025

Date: Dec 17, 2025

Date: Dec 17, 2025

