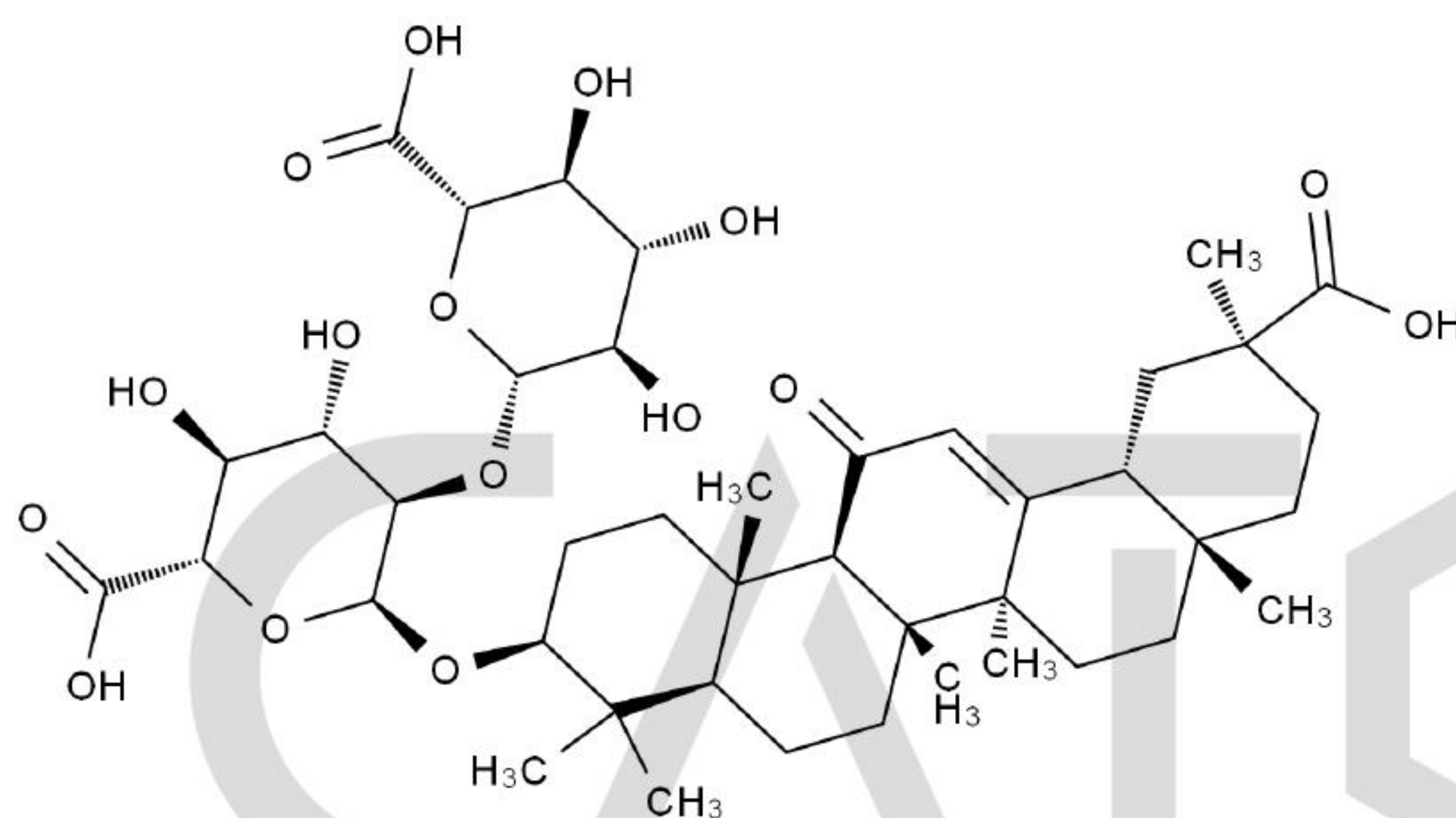


Certificate of Analysis

Reference Material & Standard

Product Name:	Glycyrrhizic Acid	Catalogue Number:	CCPE900069
Synonyms:	N/A	Lot Number:	0806-RH-0110
CAS Number:	1405-86-3	Expiry Date:	Aug 09, 2030
Molecular Formula:	C ₄₂ H ₆₂ O ₁₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	822.93	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.2439%
Loss on Drying	TGA	4.8006%
Assay		95.0%
Uncertainty		±0.5%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are 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: Aug 10, 2026

Date: Aug 11, 2026

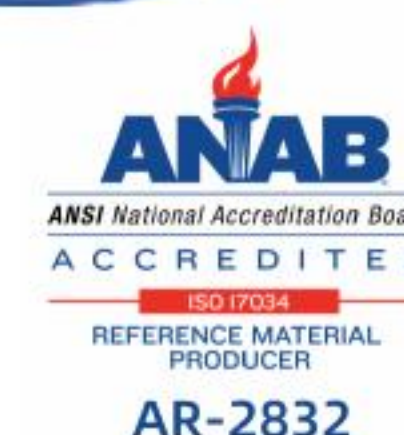
Date: Aug 11, 2026

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