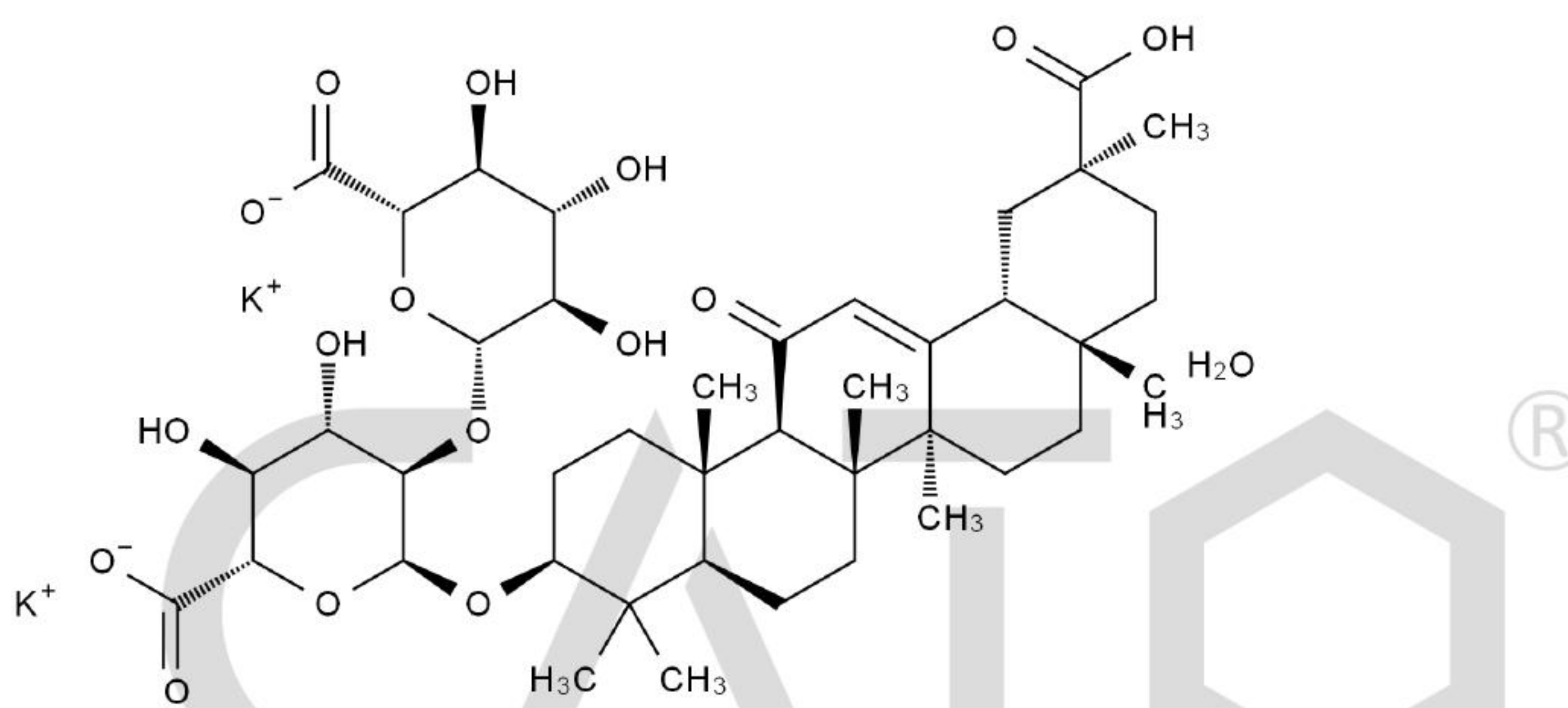


Certificate of Analysis

Reference Material & Standard

Product Name:	Dipotassium Glycyrrhizinate,Hydrate	Catalogue Number:	CCHM701099
Synonyms:	N/A	Lot Number:	0619-RG-0101
CAS Number:	68797-35-3	Expiry Date:	Jun 18, 2029
Molecular Formula:	C42H60O16 2*K H2O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	820.92 2*39.10 18.02		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	83.005%
Water Content	Karl Fischer	14.0306%
Water Content(Free Water)		12.0657%
Assay		73.0%
Uncertainty		±3.0%

Comment:

- The content of crystal water is 1.9649%.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content(Free Water) 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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 19, 2025

Date: Jun 19, 2025

Date: Jun 19, 2025

