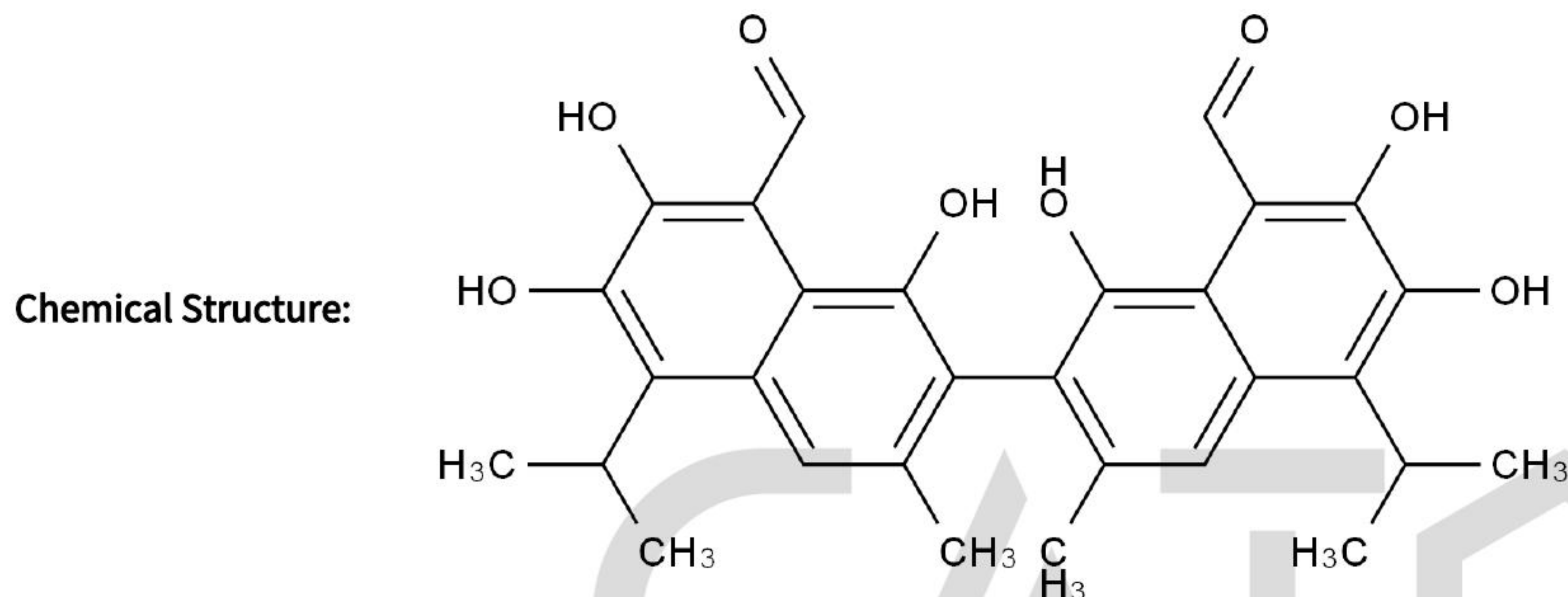


Certificate of Analysis

Reference Material

Product Name:	Gossypol	Catalogue Number:	CCFD200141
Chemical Name:	N/A	Lot Number:	0711-RD-0009
CAS Number:	303-45-7	Expiry Date:	Jul 13, 2026
Molecular Formula:	C30H30O8	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	518.55		



Test Items	Method	Results
Appearance	Visual inspection	Yellow Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.910%
Loss On Drying	TGA	0.3223%
Assay		99.6%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula:

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

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

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:

Delia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jul 14, 2022

Date: Jul 15, 2022

Date: Jul 15, 2022

