

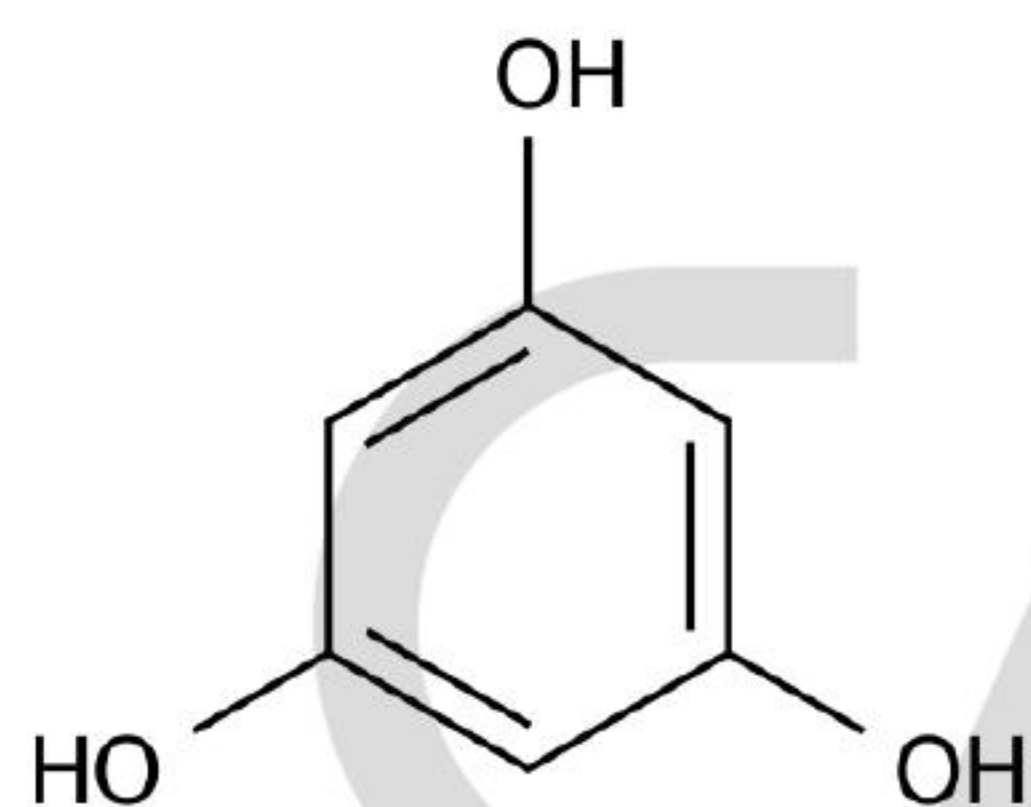
Certificate of Analysis

Reference Material & Standard

Product Name:	Phloroglucinol Dihydrate	Catalogue Number:	CCHM702981
Synonyms:	N/A	Lot Number:	0306-RG-0028
CAS Number:	6099-90-7	Expiry Date:	Mar 05, 2029
Molecular Formula:	C ₆ H ₆ O ₃ 2*H ₂ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	126.11 2*18.02		

H₂O H₂O

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.889%
Water Content	Karl Fischer	22.7357%
Water Content(Free Water)		0.5094%
Assay		99.4%
Uncertainty		±2.0%

Comment:

- The content of crystal water is 22.2263%.
- 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 06, 2025

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