

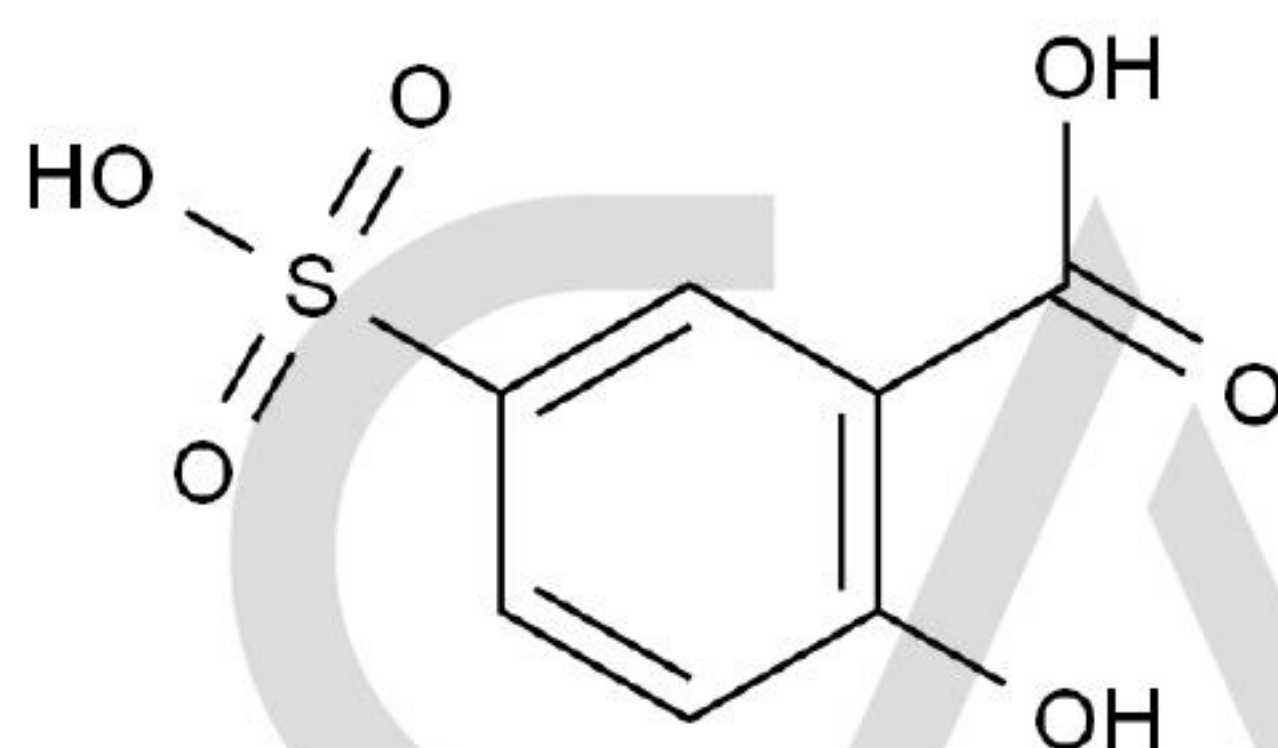
Certificate of Analysis

Reference Material & Standard

Product Name:	5-Sulfosalicylic Acid Dihydrate	Catalogue Number:	C3D-5249
Synonyms:	N/A	Lot Number:	1225-RG-0069
CAS Number:	5965-83-3	Expiry Date:	Dec 28, 2029
Molecular Formula:	C ₇ H ₆ O ₆ S 2*H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	218.18 2*18.02	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

H₂O

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.685%
Loss On Drying	TGA	15.4719%
Loss On Drying(Free Water)		1.2952%
Assay		98.4%

Comment:

- The content of crystal water is 14.1767%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss On Drying(Free Water) is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 29, 2025

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