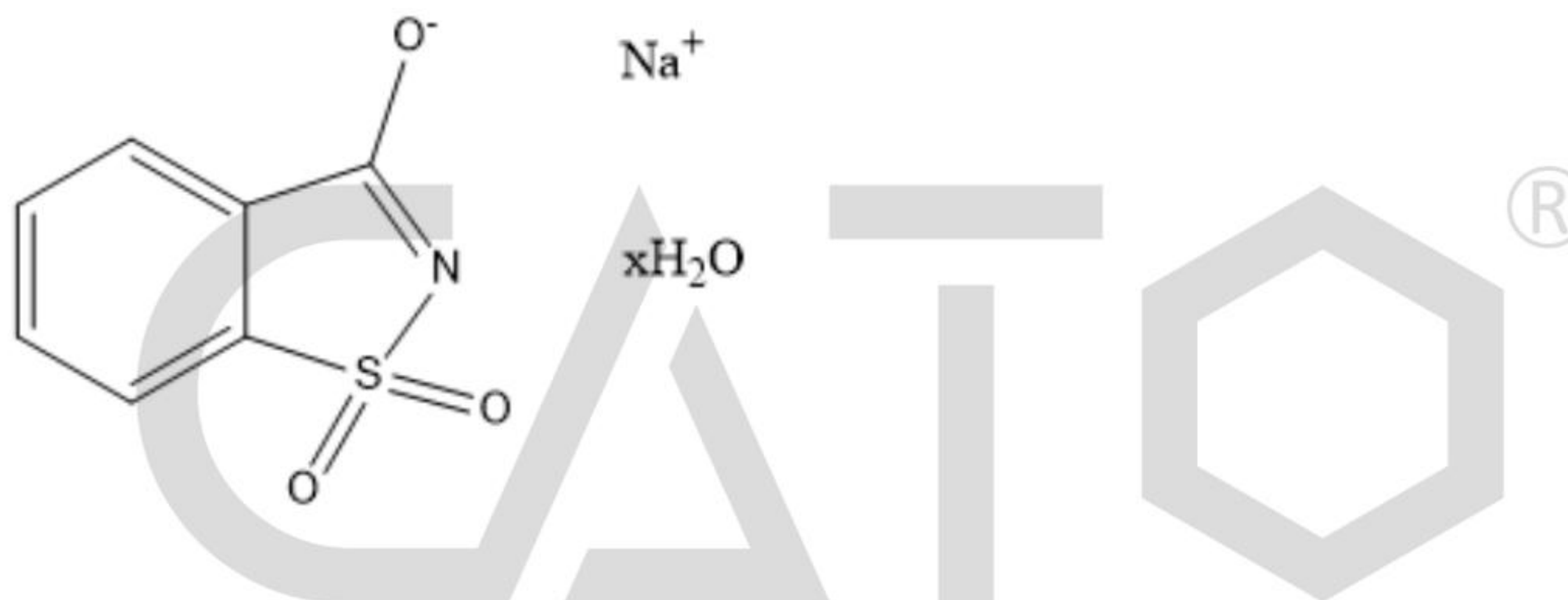


Certificate of Analysis

Reference Material & Standard

Product Name:	Saccharin Sodium Salt Hydrate	Catalogue Number:	CCFD200232
Synonyms:	N/A	Lot Number:	0929-RG-0080
CAS Number:	82385-42-0	Expiry Date:	Sep 28, 2029
Molecular Formula:	$C_7H_4NNaO_3S \cdot xH_2O$	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	$205.16 \cdot x(18.02)$		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	18.0104%
Assay($C_7H_4NNaO_3S$)		82.0%
Uncertainty		$\pm 1.6\%$

Comment:

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

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

Water Content 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:

Hinlam

Approved by General Manager:

David

Date: Sep 29, 2025

Date: Sep 30, 2025

Date: Sep 30, 2025



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