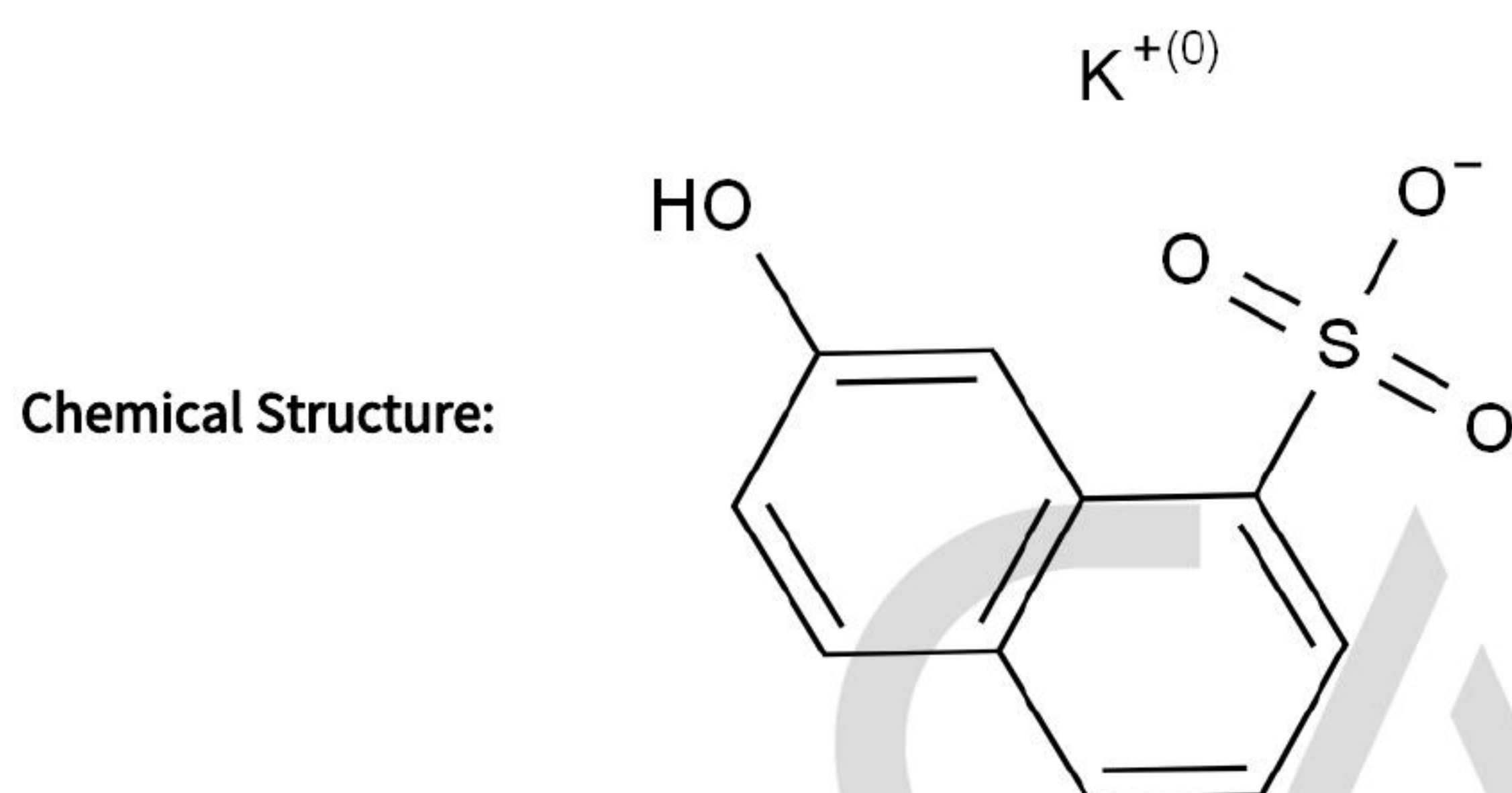


Certificate of Analysis

Reference Material

Product Name:	Potassium 7-Hydroxy-1-Naphthalenesulfonate	Catalogue Number:	CCHM700224
Chemical Name:	N/A	Lot Number:	1122-RD-0024
CAS Number:	30252-40-5	Expiry Date:	Nov 20, 2026
Molecular Formula:	C ₁₀ H ₇ O ₄ S K	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	223.23 39.10		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.696%
Water Content	Karl Fischer	1.4060%
Assay		97.3%
Uncertainty		±2.0%

Comment:

- The product contains a small amount of isomers.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

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:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Nov 21, 2022

Date: Nov 22, 2022

Date: Nov 22, 2022

