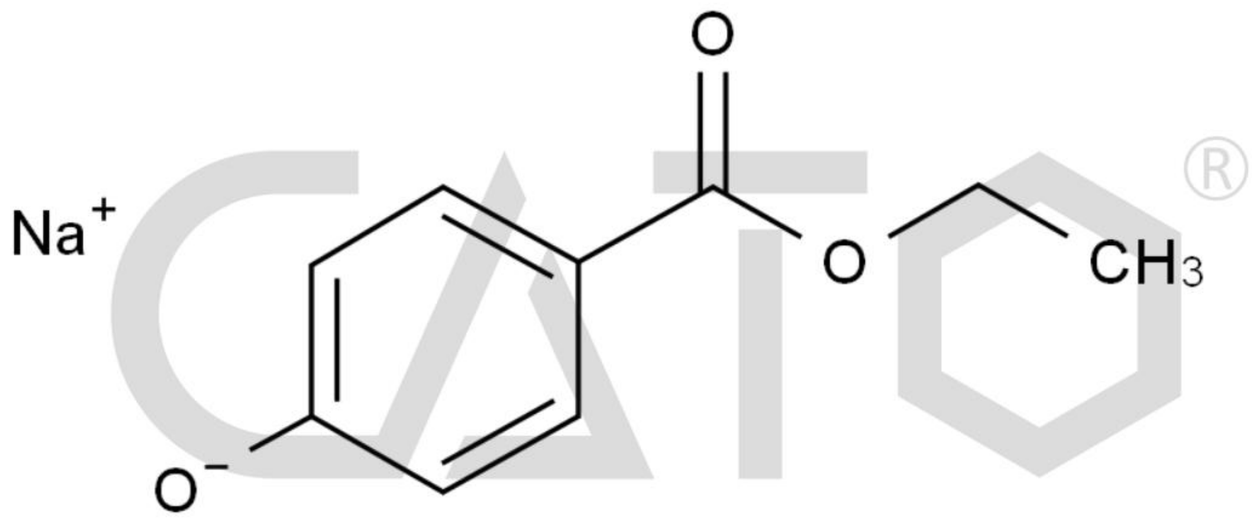
Certificate of Analysis

Reference Material & Standard

Product Name:	4-Hydroxybenzoic acid-ethyl ester sodium	**Catalogue Number:**	CCFD200936
Synonyms:	N/A	**Lot Number:**	1201-RD-0022
CAS Number:	35285-68-8	**Expiry Date:**	Dec 05, 2028
Molecular Formula:	$C_9H_9O_3$ Na	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	165.17 22.99	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.9%
Assay	qNMR	97.0%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative 1H-NMR.

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: Debra Date: Dec 06, 2022

Reviewed by: Xenia Date: Dec 06, 2022

Approved by General Manager: David Date: Dec 06, 2022

CATO Research Chemicals Inc.