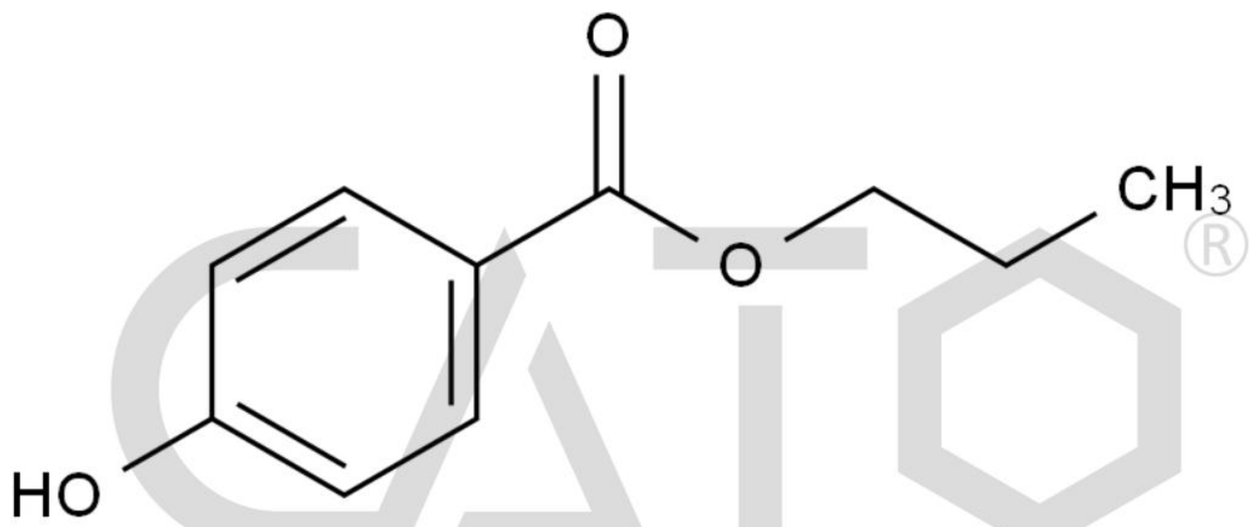
Certificate of Analysis

Reference Material & Standard

Product Name:	4-Hydroxybenzoic Acid Propyl Ester	**Catalogue Number:**	CCFD200028
Synonyms:	N/A	**Lot Number:**	0315-RC-0045
CAS Number:	94-13-3	**Expiry Date:**	Oct 14, 2030
Molecular Formula:	$C_{10}H_{12}O_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	180.20	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.8249%
Water Content	Karl Fischer	0.2248%
Assay	Mass Balance	99.6%
Uncertainty		±0.2%

CATO Research Chemicals Inc.

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content) * Purity HPLC (%) /100%*
Water Content is considered as absolute effect, HPLC purity is considered as relative effect.
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: Lisa Date: Oct 15, 2026

Reviewed by: Hinlam Date: Oct 15, 2026

Approved by General Manager: David Date: Oct 15, 2026

CATO Research Chemicals Inc.