

Certificate of Analysis

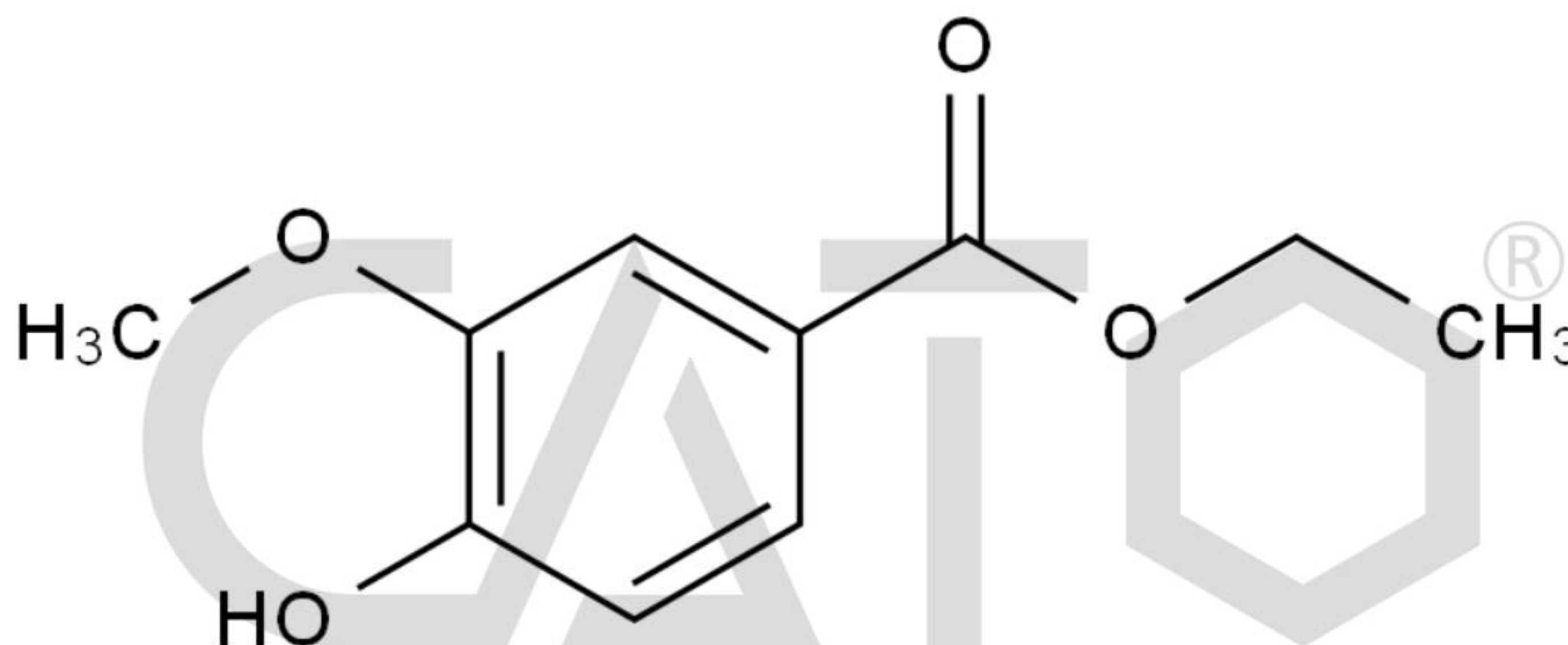
Reference Material & Standard

Product Name:	Ethyl Vanillate	Catalogue Number:	CCHM702031
Synonyms:	N/A	Lot Number:	0302-RC-0034
CAS Number:	617-05-0	Expiry Date:	Mar 03, 2025
Molecular Formula:	C ₁₀ H ₁₂ O ₄	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	196.20	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	LCMS	Confirmed
Purity	HPLC	98.0010%
Water Content	Karl Fischer	0.2158%
Assay		97.8%
Uncertainty		±2.0%

Comment:

1. The calculation of the mass balance 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.

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:

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Date: Mar 04, 2021

Date: Mar 08, 2021

Date: Mar 08, 2021



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