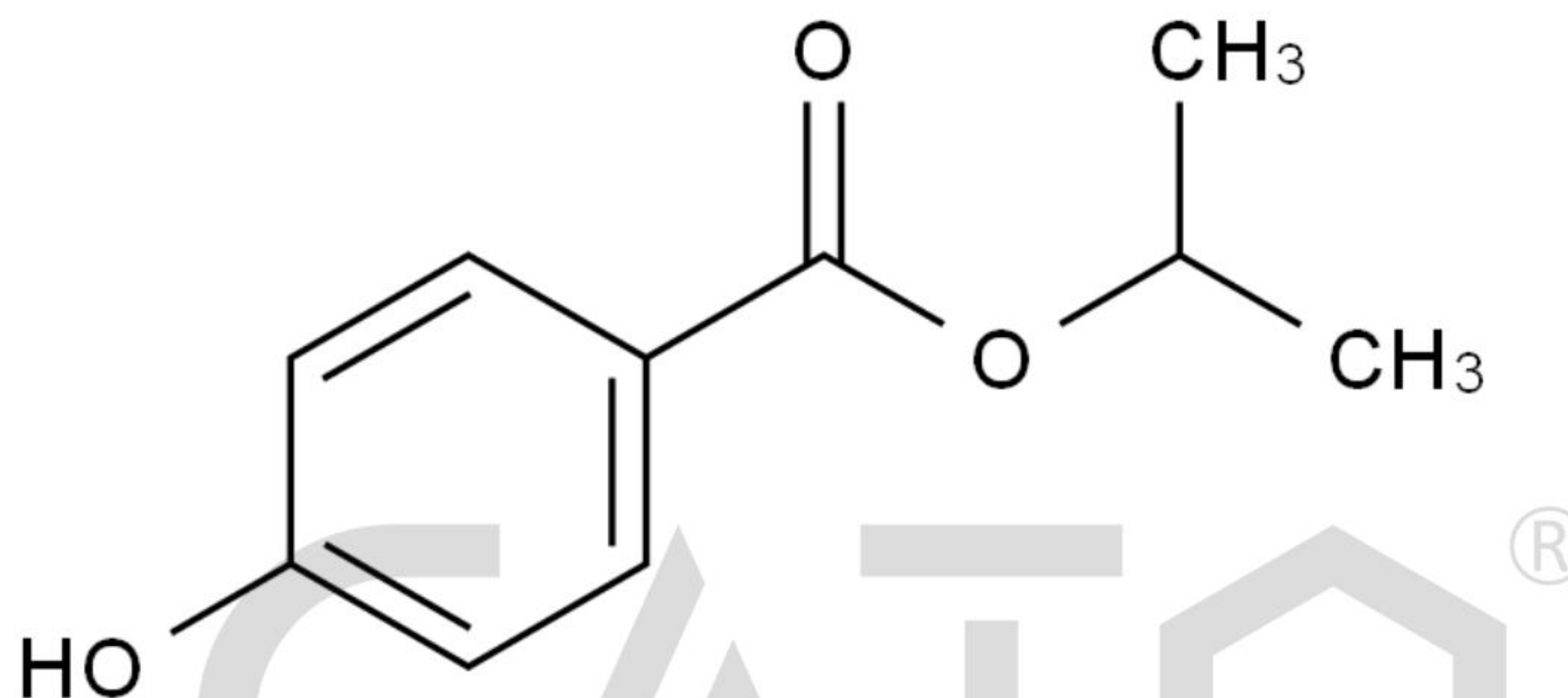


Certificate of Analysis

Reference Material

Product Name:	Isopropylparaben	Catalogue Number:	CCHM700190
Chemical Name:	N/A	Lot Number:	0606-RD-0031
CAS Number:	4191-73-5	Expiry Date:	Jun 08, 2027
Molecular Formula:	C10H12O3	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	180.20		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	98.154%
Water Content	Karl Fischer	0.5357%
Residue on Ignition	TGA	0.0341%
Assay		97.6%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula:

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

Water Content and Residue on Ignition are 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:

Delia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jun 09, 2022

Date: Jun 09, 2022

Date: Jun 09, 2022

