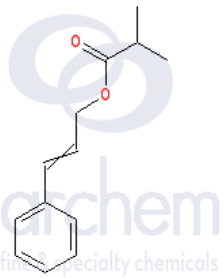


## Typical Product Specifications & Properties

# cinnamyl isobutyrate

CAS Number: : 103-59-3

Specifications	Limits
Density	1.01
Appearance	colorless to pale yellow clear liquid
Specific gravity	1.00600 to 1.00900 @ 25.00 °C
Boiling Point	295.00 to 297.00 °C. @ 760.00 mm Hg
Acid Value	3.00 max. KOH/g
Vapor Density	7.0
logP (o/w)	3.50
Odor Type	fruity
Assay	96.00 to 100.00 % sum of isomers
Pounds/Gallon	8.371 to 8.396
Refractive Index	1.52300 to 1.52800 @ 20.00 °C
Vapor Pressure	0.002000 mm/Hg @ 20.00 °C

Specifications	Limits
Flash Point	> 212.00 °F.TCC
Odor	Sweet, fruity, pineapple, spicy, slightly floral
Taste	Fruity, sweet, pineapple, with waxy and spicy nuances
Insolubility	in water
Molecular weight	204.27
Color	colorless to yellowish liquid
Chemical Structure	 <p>The chemical structure is 4-(3-methylbut-3-en-2-yl)benzoic acid. It consists of a central benzene ring. At the 1-position of the benzene ring, there is a carboxylic acid group (-COOH). At the 4-position, there is a propene chain (-CH=CH-CH<sub>2</sub>-). At the 3-position of this propene chain, there is a 3-methylbut-3-en-2-yl group (-C(CH<sub>3</sub>)=C(CH<sub>3</sub>)-CH<sub>2</sub>-). The structure is shown with a watermark for 'parchem fine &amp; specialty chemicals'.</p>