

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	W229 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	002
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	08/18/2022

### Product Identifiers

Product Name:	VANILLIN ISOBUTYRATE
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Synerzine Item #	<b>W229</b>	CAS #	20665-85-4	FEMA #	3754
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### Material Properties

Molecular Formula	C12H14O4	Flash Point (°F, CC)	>230
Molecular Weight	222.24038	Boiling Point	165-166°C @ 2mm
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble in alcohol; slightly soluble in water.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place.
Handling Precautions	Avoid contact of eyes and skin. In case of contact, flush copiously with water. Keep away from heat and flame.

### Specified Critical Limits

Critical Property	Test Method	UOM	Lower Limit	Upper Limit
Color	Visual Analysis	None	Colorless	Pale yellow
Odor	Organoleptic Analysis	None	Sweet, vanilla, creamy, chocolate	
Chemical Purity	Gas Chromatography	%	98.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	1.115	1.145
Refractive Index	Refractometric Analysis	nD20	1.520	1.530

### Notes

*This specification was generated electronically, and is therefore unsigned.*

**Synerzine**

Quality Control Dept.

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