

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b> N311 Product Specification	
	<b>Document #:</b> 02-1006	<b>Rev #:</b> 003
	<b>Status:</b> ACTIVE	<b>Date Issued:</b> 05/11/2023

### Product Identifiers

Product Name:	2-ETHYL-5(6)-METHYLPYRAZINE MIXTURE, NATURAL
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Synerzine Item #	<b>N311</b>	CAS #	36731-41-6/13360-64-0	FEMA #	3154/3919
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### Material Properties

Molecular Formula	C7H10N2	Flash Point (°F, CC)	143
Molecular Weight	122.17	Boiling Point	170-171°C
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble in water and most organic solvents.
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	Coffee, Nutty, Roasted, Cocoa	
Chemical Purity	Gas Chromatography	% Isomeric Sum	90.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.965	0.985
Refractive Index	Refractometric Analysis	nD20	1.485	1.500

### Notes

Natural 2-Ethyl-5(6)-methylpyrazine purity assay is >90%. Total natural pyrazine purity assay is >98%. Isomer 1 = 40-85%, isomer 2 = 15-60%; Product is mixture of CAS# 13360-64-0 and CAS# 13925-03-6

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

**Synerzine**

Quality Control Dept.

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