

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	N303 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	000
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	06/21/2013

**Product Identifiers**

Product Name:	2,3,5-TRIMETHYLPYRAZINE MIXTURE, NATURAL
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Synerzine Item #	<b>N303</b>	CAS #	14667-55-1*	FEMA #	3244*
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**Material Properties**

Molecular Formula	C7H10N2	Flash Point (°F, CC)	129
Molecular Weight	122	Boiling Point	165-175°C
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble in water and alcohols
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	Strong, cocoa, chocolate	
Chemical Purity	Gas Chromatography	% Isomeric Sum	80.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.970	0.980
Refractive Index	Refractometric Analysis	nD20	1.500	1.508

**Notes**

\*Typical composition:  
60-90%: 2,3,5-trimethylpyrazine (CAS# 14667-55-1; FEMA 3244)  
10-40%: 2-ethyl-(5/6)-methylpyrazine (CAS# 13360-64-0; FEMA 3154)

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

**Synerzine**

**Quality Control Dept.**

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