

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

Product Identifiers

Product Name:	2,3,5-TRIMETHYLPYRAZINE MIXTURE, NATURAL		
Synerzine Item #	N303	CAS #	14667-55-1*
		FEMA #	3244*

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. Stable for years, with slight development of discoloration.
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 ³ @ 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.