	ТМ	Title:	N309 Product Specification							
S synerzine		cument #:	02-1006 Rev # :		Rev #:	005				
		Status:	ACTIVE		Date Issued:	06/01/2023				
Product Identifiers										
Product Name: 2-ETHYL-3,(5 or 6)-DIMETHYLPYRAZINE MIXTURE, NATURAL										
Synerzine Item # N309		CAS #	CAS # 55031-15-7		-7	FEMA # 3149				
Material Properties										
Molecular Formula	C16H	6H24N4		Flash Point (°F, CC)		156.2				
Molecular Weight		136.19		Boiling Point		180-182°C @760mmHg				
Shelf Life (days)		730		Physical State		Liquid				
Solubility Soluble in most organic solvents and water					er					
Storage and Stability Store in fully closed container in cool (~20°C) dry place, away from direct heat and sunlight. Slight development of discoloration may occur.										
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	Nutty, chocolate, coffee	
Chemical Purity	Gas Chromatography	% Isomeric Sum	98.0%	100.0%
Density	Density Analysis	g/cm³ @ 20°C	0.957	0.967
Refractive Index	Refractometric Analysis	nD20	1.495	1.505

Notes

Sum of alkyl pyrazines - Main components (1) 2-ethyl-3,6-dimethylpyrazine, natural (CAS 13360-65-1; FEMA 3149)(50-75%); 2) 2-ethyl-3,5-dimethylpyrazine (CAS 13925-07-0; FEMA 3150)(25-50%); Secondary components (Natural 2,3,5-trimethylpyrazine (CAS 14667-55-1; FEMA 3244)(0-5%), Natural 2,6-diethylpyrazine (CAS# 13067-27-1, no FEMA)(0-2.5%), Natural 2,3-diethylpyrazine (CAS# 15707-24-1, FEMA 3136)(0-0.3%), natural 2,5-diethylpyrazine (CAS# 13238-84-1, no FEMA)(0-3%), natural 2-methyl-6-propylpyrazine (CAS# 29444-46-0, no FEMA)(0-0.5%), natural 2,3,5,6-tetramethylpyrazine (CAS 1124-11-4; FEMA 3287)(0-5%), natural 2,3-diethylpyrazine (CAS# 18138-04-0, FEMA 3336)(0.1-1%))

This specification was generated electronically, and is therefore unsigned.

Synerzine Quality Control Dept.

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