

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	1036M 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-BUTYL-3,5(6)-DIMETHYL PYRAZINE MIXTURE				
Synerzine Item #	<b>1036M</b>	CAS #	40790-29-2	FEMA #	N/A

**Material Properties**

Molecular Formula	C10H16N2	Flash Point (°F, CC)	175
Molecular Weight	164.2	Boiling Point	at 30mm 180°F
Shelf Life (days)	730	Physical State	Liquid

Solubility	Insoluble in water; soluble in 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	Water-white	Amber
Odor	Organoleptic Analysis	None	Sweet, earthy	
Chemical Purity	Gas Chromatography	% Isomeric Sum	98.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.930	0.940
Refractive Index	Refractometric Analysis	nD20	1.490	1.498

**Notes**

CAS # Two isomers: (A) 2-Butyl-3,5-Dimethylpyrazine CAS# 50888-63-6 (~50%)  
 (B) 2-Butyl-3,5-Dimethylpyrazine CAS# 40790-29-2 (~50%)

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

**Synerzine**  
 Quality Control Dept.

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