


|  |                    |                            |                     |            |
|--|--------------------|----------------------------|---------------------|------------|
|  <b>synerzine</b> <sup>TM</sup> | <b>Title:</b>      | 836M Product Specification |                     |            |
|  | <b>Document #:</b> | 02-1006                    | <b>Rev #:</b>       | 003        |
|  | <b>Status:</b>     | ACTIVE                     | <b>Date Issued:</b> | 07/24/2020 |

**Product Identifiers**

|               |  |
|---------------|--|
| Product Name: | 2-ETHYL-3,5(6)-DIMETHYL PYRAZINE MIXTURE |
|---------------|--|

|                  |             |       |            |        |      |
|------------------|-------------|-------|------------|--------|------|
| Synerzine Item # | <b>836M</b> | CAS # | 55031-15-7 | FEMA # | 3149 |
|------------------|-------------|-------|------------|--------|------|

**Material Properties**

|                   |         |                      |        |
|-------------------|---------|----------------------|--------|
| Molecular Formula | C8H12N2 | Flash Point (°F, CC) | 157    |
| Molecular Weight  | 136.2   | Boiling Point        | 180°C  |
| Shelf Life (days) | 730     | Physical State       | Liquid |

|                       |  |
|-----------------------|--|
| Solubility            | Soluble in water, common 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                     | Water-White                 | Pale-yellow |
| Odor              | Organoleptic Analysis   | None                     | Rosted coffee, roasted nuts |             |
| Chemical Purity   | Gas Chromatography      | % Isomeric Sum           | 98.0%                       | 100.0%      |
| Density           | Density Analysis        | g/cm <sup>3</sup> @ 20°C | 0.957                       | 0.963       |
| Refractive Index  | Refractometric Analysis | nD20                     | 1.497                       | 1.505       |

**Notes**

Shelf life: 24 Months  
CAS number: 27043-05-6 has also been assigned.  
Sum of isomers (isomer 1 = 40-49%; isomer 2 = 51-60%)

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

**Synerzine**

**Quality Control Dept.**

Date Printed: 6/26/2021