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|  synerzine TM | Title: | C504 Product Specification | | |
| | Document #: | 02-1006 | Rev #: | 003 |
| | Status: | ACTIVE | Date Issued: | 05/01/2024 |

Product Identifiers

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|---------------|------------------|
| Product Name: | 4-PENTENOIC ACID |
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|------------------|-------------|-------|----------|--------|------|
| Synerzine Item # | C504 | CAS # | 591-80-0 | FEMA # | 2843 |
|------------------|-------------|-------|----------|--------|------|

Material Properties

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|-------------------|--------|----------------------|--------|
| Molecular Formula | C5H8O2 | Flash Point (°F, CC) | 193 |
| Molecular Weight | 100.1 | Boiling Point | 188°C |
| Shelf Life (days) | 730 | Physical State | Liquid |

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| Solubility | Insoluble in water; soluble in alcohol. |
| 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 | Woody, cheesy | |
| Chemical Purity | Gas Chromatography | % | 97.0% | 100.0% |
| Density | Density Analysis | g/cm ³ @ 20°C | 0.972 | 0.983 |
| Refractive Index | Refractometric Analysis | nD20 | 1.424 | 1.432 |

Notes

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This specification was generated electronically, and is therefore unsigned.

Synerzine
Quality Control Dept.

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