


|  |                    |                            |                     |            |
|--|--------------------|----------------------------|---------------------|------------|
|  <b>synerzine</b> <sup>TM</sup> | <b>Title:</b>      | W053 Product Specification |                     |            |
|  | <b>Document #:</b> | 02-1006                    | <b>Rev #:</b>       | 002        |
|  | <b>Status:</b>     | ACTIVE                     | <b>Date Issued:</b> | 08/18/2022 |

### Product Identifiers

|               |                           |
|---------------|---------------------------|
| Product Name: | ETHYL 3-PHENYL PROPIONATE |
|---------------|---------------------------|

|                  |             |       |           |        |      |
|------------------|-------------|-------|-----------|--------|------|
| Synerzine Item # | <b>W053</b> | CAS # | 2021-28-5 | FEMA # | 2455 |
|------------------|-------------|-------|-----------|--------|------|

### Material Properties

|                   |          |                      |        |
|-------------------|----------|----------------------|--------|
| Molecular Formula | C11H14O2 | Flash Point (°F, CC) | 226    |
| Molecular Weight  | 178.23   | Boiling Point        | 250°C  |
| Shelf Life (days) | 730      | Physical State       | Liquid |

|                       |  |
|-----------------------|--|
| Solubility            | Insoluble in water; soluble in 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                     | Colorless     | Pale yellow |
| Odor              | Organoleptic Analysis   | None                     | Fruity, berry |             |
| Chemical Purity   | Gas Chromatography      | %                        | 98.0%         | 100.0%      |
| Density           | Density Analysis        | g/cm <sup>3</sup> @ 20°C | 1.010         | 1.020       |
| Refractive Index  | Refractometric Analysis | nD20                     | 1.494         | 1.497       |

### Notes

AKA Ethyl HYDROCINNAMATE, AS ITEM No. W053A; Recommendation to analyze this material on GC FID for accurate purity assessment.

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

**Synerzine**

Quality Control Dept.

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