

## Product Specification

|                              |   |
|------------------------------|---|
| Product code:                | 1190  |
| Product name:                | Natural Gamma Octalactone EU  |
| Chemical name or synonyms:   | 5-butylloxolan-2-one; (S)-4-Hydroxyoctanoic acid $\gamma$ lactone                           |
| Empirical formula:           | C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>   |
| Declaration in USA:          | Natural   |
| EU:                          | Natural Flavoring Substance   |
| Appearance:                  | Colorless to pale yellow liquid   |
| Odor:                        | Coconut   |
| Boiling point:               | 234°C   |
| Flash point:                 | >110°C  |
| Specific gravity @ 20°/20°C: | 0.978 - 0.988   |
| Refractive index @ 20°C:     | 1.438 - 1.448   |
| Optical Rotation:            | -50° to -35°  |
| Assay (by GLC):              | 98% min.  |
| %ee (by Chiral GC):          | 74% min. (%R: 13% max. and %S: 87% min.)  |
| Solubility:                  | Slightly soluble in water; soluble in most organic solvents                                 |
| Storage and shelf life:      | In tightly closed container away from light and source of ignition at max. 20°C; 48 months. |
| FEMA No.:                    | 2796  |
| CFR No.:                     | 172.510   |
| EINECS No.:                  | 203-208-1   |
| CAS No.:                     | 107797-25-1/104-50-7  |
| CoE No.:                     | 2274  |
| HS code:                     | 2932.20.5050  |
| FLAVIS No.:                  | 10.022  |

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