

# QUALITY SPECIFICATION

## Watermelon Ketone

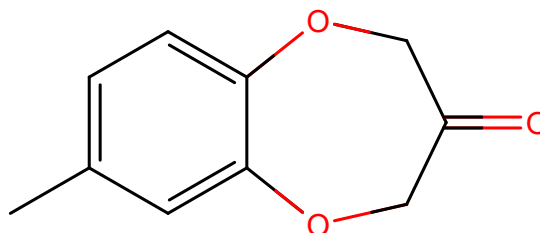
Catalog No.: NST-12-12

CAS No.: 28940-11-6

Molecular formula: C<sub>10</sub>H<sub>10</sub>O<sub>3</sub>

MW: 178.18

Shelf life: 24 months



| No. | Parameter           | Specification                                 | Method       |
|-----|---------------------|-----------------------------------------------|--------------|
| 1.  | Appearance          | Powder                                        | Visual       |
| 2.  | Color               | White                                         | Visual       |
| 3.  | Identification      | Conforms                                      | TLC&NMR      |
| 4.  | Purity              | ≥98.0 %                                       | GC           |
| 5.  | Odor                | Fresh with the flavor of ocean and watermelon | Organoleptic |
| 6.  | Melting point       | 37.0 °C – 41.0 °C                             | In house     |
| 7.  | Residue on ignition | ≤2.0 %                                        | In house     |
| 8.  | Loss on drying      | ≤5.0 %                                        | In house     |
| 9.  | Heavy Metals        | ≤10 ppm                                       | ICP-MS       |
| 10. | Lead                | ≤2 ppm                                        | ICP-MS       |
| 11. | Arsenic             | ≤1 ppm                                        | ICP-MS       |
| 12. | Mercury             | ≤0.1 ppm                                      | ICP-MS       |
| 13. | Cadmium             | ≤1 ppm                                        | ICP-MS       |

**Storage:** store in a cool and dry place, keep away from strong light and heat

**Stability:** 24 months when properly stored