

## SPECIFICATION

|                                                           |
|-----------------------------------------------------------|
| <b>Product Name:</b> Orange Flavour Liquid                |
| <b>Chemical Formula:</b> N/A                              |
| <b>CAS Number:</b> N/A                                    |
| <b>Molecular Weight:</b> 136.24 g/mol                     |
| <b>Appearance:</b> Clear colourless to pale yellow liquid |
| <b>Odor:</b> Odor                                         |

### Chemical Composition

| Parameter                | Unit | Typical Value    | Specification (Min./Max.) |
|--------------------------|------|------------------|---------------------------|
| Refractive Index @ 25° C | -    | 1.4250           | 1.4150 – 1.4350           |
| Specific Gravity @ 25° C | -    | 1.0378           | 1.0055 – 1.0555           |
| Aroma                    | -    | Matches standard | Characteristic            |
| Taste                    | -    | Matches standard | Characteristic            |

### Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Soluble in Vegetable oils. Soluble in Propylene glycol.

### Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.  
- Storage Conditions: Store in a cool, dry place at 15–25°C. Protect from direct sunlight, heat, moisture, and air to preserve the flavor and aroma. Keep the container tightly closed in the original, properly labeled container. Store in a well-ventilated area away from strong oxidizing agents and ignition sources, as many flavoring liquids contain volatile components. Proper storage helps maintain the product's flavor strength, aroma, and stability.

### Applications

- Use: Widely used as a flavoring agent in food, beverage, pharmaceutical, and nutraceutical formulations to impart a fresh, sweet orange taste and aroma. It is commonly incorporated into soft drinks, fruit beverages, syrups, confectionery, bakery products, dairy products, ice cream,

desserts, candies, jellies, gummies, oral liquids, chewable tablets, lozenges, and dietary supplements. It also helps improve the palatability and consumer acceptance of finished products by masking undesirable tastes and enhancing the overall flavor profile.

- Dosage: Depends on the type of formulation, flavor strength, processing conditions, and the desired taste profile.

**Packaging**

- Standard Packing: 5 Liter Jerry Can and 1 Liter or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

\* Specifications are based on the manufacturer's provided specifications.