

SPECIFICATION

Product Name: Orange Flavour Liquid Emulsion
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Pale yellow liquid
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Taste	-	Complies	Characteristic sweet citrus/orange flavour
Flavour strength	-	Complies	Characteristic and acceptable
pH	-	4.2	3.0 – 6.0
Specific Gravity (25°C)	g/ml	1.02 g/ml	0.95 – 1.10 g/ml
Emulsion Stability	-	Complies	No significant separation under recommended storage conditions
Alcohol Solubility	-	Complies	Dispersible/partially soluble
Heavy Metals	PPM	Complies	NMT 10 PPM
Lead	PPM	Complies	NMT 2 PPM
Arsenic	PPM	Complies	NMT 3 PPM
Cadmium	PPM	Complies	NMT 1 PPM
Mercury	PPM	Complies	NMT 1 PPM
Total plate count	-	Complies	Complies with applicable food grade requirements

Pathogens	-	Complies	Absent
Yeast & mold	-	Complies	Complies with applicable food grade requirements

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Soluble in propylene glycol. Insoluble in vegetable oils.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
 - Storage Conditions: Store in a cool, dry, and well-ventilated place, preferably at 15–25°C. Protect from direct sunlight, excessive heat, freezing temperatures, and moisture. Keep the container tightly closed in the original, properly labeled packaging. Avoid prolonged exposure to high temperatures, as it may affect the emulsion stability, flavour strength, and aroma. Before use, shake or gently mix well if settling or phase separation occurs.

Applications

- Use: Widely used as a flavouring agent in food, beverage, pharmaceutical, and nutraceutical formulations to impart a characteristic sweet, fresh apple taste and aroma. It is commonly used in fruit beverages, soft drinks, syrups, oral liquids, confectionery, candies, gummies, bakery products, dairy products, ice cream, desserts, jellies, and dietary supplements. It can also help mask unpleasant tastes and odors of active ingredients and improve the overall flavour, aroma, and consumer acceptability of finished products.
 - Dosage: Depends on the formulation, flavour strength, and desired sensory profile.

Packaging

- Standard Packing: 5 Liter Jerry Can 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.