

Fatty Ester

Liquid or semi-solid emollient

Product Description

Fatty esters used in cosmetics, lubricants, and as plasticizers.

Certificate of Analysis

HSN Code: 2915.70 CAS Number: Varies by ester type (e.g., Methyl Oleate: 111-62-6, Isooctyl Myristate: 111-62-6)

Parameter	Specification	Test Method
Appearance	Clear to pale yellow liquid	Visual
Odor	Mild, characteristic fatty odor	Sensory
Acid Value (mg KOH/g)	Max 1.0	ASTM D664
Saponification Value (mg KOH/g)	160 – 200 (depending on type)	ASTM D1962
Iodine Value (g L/100g)	50 – 100 (depending on degree of unsaturation)	ASTM D1959
Hydroxyl Value	Max 10	ASTM D4274
Ester Content	Min 95%	GC Analysis
Moisture Content	Max 0.2%	Karl Fischer (ASTM D6304)
Density @ 25°C	0.85 – 0.90 g/cm³	ASTM D4052
Viscosity @ 40°C	10 – 30 cSt (varies by ester type)	ASTM D445
Pour Point	Below 10°C	ASTM D97
Flash Point (°C, COC)	Min 180°C	ASTM D92
Solubility	Insoluble in water; soluble in alcohols and organic solvents	Visual

Physical Properties

- Appearance: Clear to pale yellow liquid
- Odor: Mild, characteristic fatty odor
- Molecular Formula: Varies by ester type
- Molecular Weight: Varies by ester type
- Solubility: Insoluble in water; soluble in alcohols and organic solvents
- Density: 0.85 – 0.90 g/cm³ at 25°C

Packing: 200 kg HDPE drums, 180 kg MS drums, 1000 kg IBC tanks, Bulk tankers (for large volume supply)
Storage: Store in a cool, dry, and well-ventilated area. Avoid exposure to moisture and direct sunlight. Keep containers tightly sealed.

Safety & Handling

PPE: Gloves, goggles

Hazards:

- Not classified as hazardous under normal handling conditions