



1. Product Details

- **Product Name:** Safflower Seeds
- **Botanical Name:** *Carthamus tinctorius*
- **Family:** Asteraceae
- **Type:** Oilseed crop
- **Origin:** India
- **Description:** Safflower seeds are small, white seeds that are rich in oil content and are primarily used for extracting safflower oil. They are also used as bird feed and in herbal medicine.



2. Physical Specifications

Parameter	Specification
Appearance	Small, oval-shaped, white seeds
Color	White
Size	6–8 mm
Oil Content	≥ 32%
Moisture Content	≤ 10%
Foreign Matter	≤ 0.5%
Damaged Seeds	≤ 2%
Purity	≥ 99%

3. Chemical Specifications

Parameter	Specification
Protein Content	16–18%
Ash Content	≤ 2.5%
Acid Value	≤ 2.0 (in extracted oil)
Pesticide Residue	Compliant with international standards
Aflatoxin Levels	≤ 10 ppb (As per EU/US norms)

4. Nutritional Information (per 100g)

Nutrient	Content
Energy	517 kcal
Carbohydrates	34g
Dietary Fiber	8g
Protein	17g
Fat	38g
Saturated Fat	3g
Monounsaturated Fat	6g
Polyunsaturated Fat	29g
Calcium	78mg

Nutrient	Content
Iron	4.9mg

5. Packing and Shipping Details

- **Packing:**
 - Food-grade polybags, jute bags, or PP woven sacks.
 - Common sizes: **25kg, 50kg**, or customized as per buyer requirements.
- **Storage:**
 - Store in a cool, dry place, away from direct sunlight and moisture.
- **Shelf Life:**
 - **12–18 months** under proper storage conditions.
- **Container Loading Capacity:**
 - **20ft Container:** Up to 19 MT (Metric Tons)
 - **40ft Container:** Up to 27 MT (Metric Tons)

