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1. Product Details

- **Product:** Sesame Seeds
- **Origin:** Worldwide
- **Botanical Name:** *Sesamum indicum*
- **Form:** Whole seeds (available as natural, hulled, or black sesame)
- **Color:** White, golden, or black depending on the variety

2. Types of Sesame Seeds

1. **Natural White Sesame Seeds:**
 - Creamy white to pale ivory.
 - Used in bakery products, garnishes, and as a roasting ingredient.
2. **Hulled Sesame Seeds:**
 - Outer hull removed, giving a cleaner, whiter seed.
 - Preferred for snacks, confectionery, and processed foods.
3. **Black Sesame Seeds:**
 - Dark black seeds with a rich, nutty flavor.
 - Common in Asian cuisine, desserts, and oil extraction.

3. Physical Specifications

| Parameter | Specification/Range |
|------------------|------------------------------------|
| Appearance | Uniform, clean, whole seeds |
| Color | White, golden, or black |
| Purity | 99% to 99.99% (depending on grade) |
| Foreign Matter | 0.2% max |
| Admixture | 0.2% max |
| Moisture Content | 6% to 8% max |
| Odor | Characteristic nutty aroma |
| Broken Seeds | 1% max |

4. Chemical Specifications

| Parameter | Specification |
|--------------------|--------------------------------|
| Moisture Content | 6% to 8% max |
| Oil Content | 48% to 52% |
| Protein Content | 18% to 25% |
| Total Ash | 4% max |
| Acid Insoluble Ash | 1.5% max |
| Pesticide Residue | As per international standards |
| Microbial Load | As per food safety standards |



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5. Grades of Sesame Seeds

| Grade | Purity |
|------------------|---------------------------------|
| Premium Grade | 99.99% (clean and uniform) |
| Regular Grade | 99.95% (minimal impurities) |
| Commercial Grade | 99.5% (used for oil extraction) |

6. Packing and Shipping Details

- **Packing:**
 - PP Bags, Jute Bags, or Vacuum Packs
 - Standard Sizes: **10kg, 25kg, 50kg**, or customized packing
- **Load Capacity:**
 - **20 FT Container:** 18-19 Metric Tons (MT)
 - **40 FT Container:** 26-27 Metric Tons (MT)
- **Shelf Life:** Up to **1-2 years** when stored in a cool, dry place, away from moisture, light, and heat.

