

## TECHNICAL DATA SHEET: MOLASSES

### 1. CHEMICAL & PHYSICAL SPECIFICATIONS

- **Total Sugar Content:** Min 46.0% - 50.0% (as invert sugar)
- **Brix (20°C):** Min 75.0% - 80.0%
- **Moisture Content:** Max 25.0%
- **Ash Content:** Max 10.0% - 12.0%
- **pH:** 5.0 – 6.0 (Beet) / 4.5 – 5.5 (Cane)
- **Appearance:** Dark brown to black, highly viscous liquid with a characteristic sweet/bitter aroma.

### 2. SAFETY, CONTAMINANTS & LOGISTICS

- **Microbiology:** Total Plate Count < 10,000 cfu/g; Yeasts & Moulds < 500 cfu/g.
- **Heavy Metals:** Compliant with EU Regulations; Lead < 0.1 mg/kg.
- **Storage:** Bulk in mild steel or stainless steel tanks; store in a cool, dry place to prevent fermentation.
- **Shelf Life:** 12–24 months in original packaging or sealed tanks.

### 3. COMPLIANCE DECLARATION

- Product is a co-product of the sugar refining process from sugar cane or sugar beet.
- Fit for animal feed (energy source) or industrial fermentation.
- Compliant with EU Directive 2002/32/EC on undesirable substances in animal feed.