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Tomato Paste Specification Sheet

1. Product Description

Product: Tomato Paste (Cold Break / Hot Break) Consistency: Thick, uniform paste processed from fresh ripe red tomatoes (*Solanum lycopersicum*), strained to remove seeds and skin. Ingredients: 100% Fresh Tomatoes. No artificial colors, preservatives, or thickeners.

2. Physical & Chemical Properties

Parameter	Standard Limit
Brix (Concentration)	28–30% or 36–38% (as required)
Bostwick Consistency	5.0 – 9.0 cm / 30 sec (at 12.5° Brix)
Color (Hunter Lab L/a/b)	a/b ratio > 2.0 (Deep Red)
pH Level	4.1 – 4.5
Titrateable Acidity	< 2.5% (as Anhydrous Citric Acid)
Howard Mould Count	< 40% positive fields
Lycopene Content	> 40 mg / 100g

3. Microbiological Limits

Total Plate Count: < 10 CFU/g (Commercial Sterility) Yeast & Mould: Negative
Coliforms: Negative Pathogens (*E. coli*, *Salmonella*): Absent

4. Sensory Characteristics

Appearance: Smooth, uniform texture; free from dark specks or scorched particles.
Flavor: Typical ripe tomato flavor; free from off flavors or metallic taste. Aroma:
Characteristic fresh tomato aroma; no fermented or sour odors.

5. Packaging & Storage

Primary Packaging: Aseptic Bag in Steel Drums. Net Weight: 230 – 245 kg per drum. Shelf Life:
24 months from production date. Storage: Store in a cool, dry place. Avoid direct sunlight.
Refrigeration not required unopened.

6. Contaminants & Compliance

Heavy Metals: Complies with FAO/WHO and destination market regulations. Pesticide
Residues: Below MRL as per international food safety standards. GMO Status: Non-GMO.

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