

ARTISANAL PATALI GUR (SOLID PALM JAGGERY)

Traditional Eco-Friendly Palm Leaf Bowl Packaging Data Sheet

1. Product Overview & Description

The product features **Patali Gur** (traditional solid date palm jaggery cake), naturally cured and molded inside a sustainable, heat-pressed palm leaf bio-bowl (*Areca* leaf matrix). This seasonal winter delicacy represents a highly refined crystallization technique using natural date palm sap (*Neera*). The deep brown cake solidifies directly within the biodegradable container, which functions as both the production mold and protective distribution vessel.

Sustainability Highlight: Utilizing natural, chemical-free palm leaf bowls eliminates synthetic plastic packaging waste. The texturized organic grain of the leaf imparts a subtle earthy touch to the outer shell of the jaggery, enhancing its traditional regional appeal.

2. Multi-Angle Perspective & Orthogonal Analysis

The product has been fully documented across four orthogonal and isometric perspectives to confirm shape uniformity, density distribution, and packaging integrity.

TOP VIEW

Showcases the concentric circular fill matrix, clean meniscus boundary, and natural dark caramel color variance.

SIDE VIEW

Illustrates the flared elevation profile of the compressed leaf container and stable flat-bottom base.

PERSPECTIVE VIEW

Highlights the depth, surface texture, and natural indentations formed during cooling.

UNDER-SIDE VIEW

Reveals the structural fiber cross-grain pattern of the dried palm leaf mold, demonstrating zero leakage.

3. Product Technical Specifications

Product Nomenclature	Artisanal Patali Gur / Solid Date Palm Jaggery Cake
Packaging Medium	Natural Heat-Pressed Areca / Palm Leaf Biodegradable Bowl
Physical Geometry	Solidified Tapered Disk molded to container contours
Color Metric	Deep Earthy Brown to Warm Cocoa Caramel
Preservation Status	100% Organic, zero chemical additives or clarifying agents

4. Nutritional Density & Minerals

Traditional Patali Gur is an mineral-rich alternative to highly processed table sugar. Because it avoids aggressive chemical refining, essential trace elements remain preserved inside the dense block.

Nutritive Element	Average Content Range	Dietary Significance
Carbohydrates (Sucrose/ Glucose)	80% – 85%	Slow-release energy compounds that prevent rapid sugar spikes.
Potassium (<i>K</i>)	0.7% – 0.9%	Aids water regulation and decreases systemic bloating.
Magnesium (<i>Mg</i>)	60 mg – 80 mg / 100g	Supports nerve functionality and metabolic performance.
Natural Moisture	6% – 10%	Maintains soft-bite texture and crystalline form.

5. Storage and Culinary Applications

- **Storage Environment:** Maintain in a cool, dry location. Moisture must be avoided to prevent surface mold growth on the natural palm leaf mold.
- **Shelf Life Extension:** To extend storage life past the winter season, store inside an airtight container within a refrigerated environment.
- **Culinary Usage:** Shave or chop to use in traditional festive foods like *Khejur Gurer Payesh*, rice puddings, traditional *Pitha* crusts, or as a direct natural dessert accompaniment.