

APSARA PAPERCO & TRADE

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TECHNICAL DATA SHEET

PREMIUM NATIVE TAPIOCA STARCH

Origin: Indonesia

Batch Number
APS-05-1-12-25

Date of Manufacture
05 December 2025

Document Ref.
TDS-APS-001

1. PRODUCT OVERVIEW

This industrial-grade native starch is engineered for high-speed corrugating and specialized paper manufacturing. It provides consistent viscosity and ultra-high purity to protect critical machinery while ensuring maximum structural integrity for high-performance packaging applications.

2. VERIFIED TECHNICAL SPECIFICATIONS

The following data represents laboratory-verified results for the specific batch identified above:

Parameter	Lab Result	Industry Standard	Strategic Advantage
Sulfur (SO ₂)	0.00 ppm	Max 70 ppm	Food-Contact Safe: Ideal for global export compliance
Ash Content	0.028%	Max 0.50%	Machine Care: Prevents abrasive wear on glue rollers
Starch Content	87.25%	Min 85.0%	Strength: Superior fiber-tearing bonding
Whiteness	92.80%	Min 91.0%	Premium Finish: Best for white-top and luxury liners
Viscosity	310 Cps	Max 1,400 Cps	Flow Stability: Predictable performance on high-speed lines
Moisture	12.00%	Max 14.0%	Stability: Optimized for stable tropical storage
pH (10% Sol.)	5.0	5.0 – 7.0	Neutrality: Stable baseline for Stein-Hall recipes

3. KEY INDUSTRIAL ADVANTAGES

Zero-Sulfur Compliance	Verified 0.00 ppm SO ₂ levels ensure packaging meets strictest international food safety standards for US and EU markets.
Reduced Maintenance	Ultra-low ash content (0.028%) drastically reduces grit that wears down expensive glue application nozzles and rollers.
Optimized Bonding	High starch concentration (87.25%) allows consistent bonding strength even at lower adhesive application rates.

This document is issued in good faith based on available laboratory data. Specifications are subject to batch variation. © Apsara Paperco & Trade