

### Certificate of Analysis

**Name of Product:** Brazilian Yellow Clay  
**Batch Number:** BBB2418  
**Manufacture Date:** February 2024  
**Expiry Date:** January 2026  
**INCI Name:** Kaolin

Test	Standards/Methods	Results
Description	Very fine, homogeneous powder	Complies
Colour	Light green	Complies
Odour	Earthy	Complies
Solubility	Practically insoluble in water and in aqueous solutions	Complies
SiO <sub>2</sub>	46 to 50%	49.60%
Al <sub>2</sub> O <sub>3</sub>	21% to 25%	22.62%
Fe <sub>2</sub> O <sub>3</sub>	0.50% Max	0.20%
TiO <sub>2</sub>	0.20% Max	0.15%
CaCo <sub>3</sub>	10% to 15%	12.10%
Loss on Ignition	NMT 15%	11.85%
Moisture	1% Max	0.75%
Water Absorption	30 to 32%	31ml/100gm
Bulk Density (tapped 20 times)	0.5 to 0.7gm/cc	0.66gm/cc
pH Value (2% aqueous solution)	6 to 9	8.3
Residue on 325 Mesh (wet analysis)	2% Max	0.85%
Remark – the above material passes Specification		
Heavy Metals	≤15ppm	Complies
Pb	≤2ppm	0.129ppm
As	≤2ppm	0.33ppm
Cd	≤1ppm	0.02ppm
Hg	≤0.5ppm	<0.22ppm