

Certificate of Analysis

Name of Product: Brazilian Yellow Clay
Batch Number: BBB2418D
Manufacture Date: July 26
Retest Date: June 28
INCI Name: Kaolin

Test	Standards/Methods	Results
Description	Very fine, homogeneous powder	Complies
Colour	Light yellow	Complies
Odour	Earthy	Complies
Solubility	Practically insoluble in water and in aqueous solutions	Complies
SiO ₂	46 to 50%	49.64%
Al ₂ O ₃	21% to 25%	22.62%
Fe ₂ O ₃	0.50% Max	0.23%
TiO ₂	0.20% Max	0.15%
CaCO ₃	10% to 15%	12.13%
Moisture	1% Max	0.74%
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	0.84%
Remark – the above material passes Specification		
Heavy Metals	≤15ppm	Complies
Pb	≤2ppm	0.127ppm
As	≤2ppm	0.33ppm
Cd	≤1ppm	0.02ppm
Hg	≤0.5ppm	<0.22ppm