

Product Data Sheet

Calcined Bauxite - Indian Origin, Value Grade

Description

Description	Indian-origin Calcined Bauxite, sourced primarily from Gujarat and Chhattisgarh deposits, is a cost-effective calcined refractory-mineral product offering consistent quality and reliable domestic supply chains. While carrying lower alumina purity and higher iron content than premium Chinese-origin material, it is well suited to road surfacing, abrasive and cement-grade applications where its value pricing and supply reliability are the primary advantages.
Applications	Road surfacing aggregate (skid-resistant, high-friction surface course material) Abrasive grit for blasting and general abrasive applications Cement industry raw material/flux General refractory applications not requiring premium high-alumina specification
Grade	Value Grade, Indian Origin (Gujarat/Chhattisgarh)
CAS No.	Natural mineral – primarily Al ₂ O ₃ (1344-28-1), with iron oxide/silica/titania impurities

Key Benefits

1. Competitive, value-oriented pricing versus premium Chinese-origin material
2. Consistent quality and reliable domestic supply chains from established Gujarat/Chhattisgarh deposits
3. Well suited to road surfacing, abrasives and cement-grade applications where premium alumina purity is not required
4. Reduced import lead time and logistics cost for India-based and regional buyers

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Al ₂ O ₃ (Alumina)	XRF Method	wt%	75 – 85
Fe ₂ O ₃ (Iron Content)	XRF Method	wt%	2.0 – 5.0
SiO ₂	XRF Method	wt%	6 – 12
TiO ₂	XRF Method	wt%	2 – 4
Bulk Density	Standard Bulk Density Method	g/cm ³	2.8 – 3.1
Moisture	Oven-Drying Method	wt%	Max. 1.0
Size	Sieve Analysis	–	Lumps, grits and powder grades available
Appearance	Visual	–	Brown to reddish-brown dense granules or lumps

Packaging

Packaging 25 kg / 50 kg PP Woven Bags (with liner)
 1,000 kg Jumbo Bags (FIBC)
 Bulk (bulker/hopper truck) available on request for large orders

Storage & Handling

1. Store in a dry, covered warehouse away from moisture and contamination
2. Keep bags sealed until point of use to prevent moisture pickup
3. Segregate different mesh/grit grades clearly to avoid mix-up during storage and dispatch
4. Stack on pallets, away from direct ground contact

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting Al₂O₃, Fe₂O₃ and bulk density against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.