

Metallurgical Grade Bauxite

Product name	Camalco Premium Bauxite
Mineralogy¹	Alumina Trihydrate (>90%)
Refining	Low and High Temperature
Availability²	
Volume	Up to 6.4 Mtpa
Year	2027 (Estimated)
Port	Douala, Cameroon, West Africa
Vessel size	Capesize

DSO Primary Chemical Properties	Typical ^{1,2}	Maximum	Minimum
Total Alumina (Al ₂ O ₃)	52%	54%	50%
Total Silica (SiO ₂)	2.0%	2.8%	1.1%
Alumina to Silica ratio	26	19	45
Total Iron (Fe ₂ O ₃)	14.1%	15.3%	11.0%
Total Titanium (TiO ₂)	4.9%	5.8%	4.4%
Loss on Ignition (LOI)	26.0%	26.8%	24.1%
Total organic carbon (TOC)	< 0.1%		
Monohydrate Alumina	< 2% – (Minimal Boehmite or Diaspore)		

Digestion (LT - 145 °C) ¹	Typical	Maximum	Minimum
Available Al ₂ O ₃ @ 90% ³	47%	49%	45%
Reactive SiO ₂ @ 65% ⁴	1.3%	1.8%	1.0%

DSO Secondary Chemical Properties ¹					
Oxide	Typical	Max	Oxide	Typical	Max
Cr ₂ O ₃	0.01%	0.01%	ZnO	0.01%	0.01%
CaO	0.01%	0.01%	MnO	0.02%	0.03%
P ₂ O ₅	0.11%	0.12%	V ₂ O ₅	0.07%	0.07%
SO ₃	0.07%	0.07%	K ₂ O	0.01%	0.01%
ZrO ₂	0.10%	0.10%	MgO	0.04%	0.05%
BaO	0.01%	0.01%	SrO	0.01%	0.01%
Na ₂ O	0.02%	0.02%			

Physical Properties ⁵			
Particle Size	P ₁₀₀	<150 mm	
Moisture (w/w%)	10%	14% (Saturated)	AS 1038
Dust Extinction Moisture (DEM)	7.4%		AS 4156.6-2000
Bulked Density (S.G)	1.3 - 1.5	1.4 - 1.7 (DEM)	
Compressive Strength	40 Mpa (Typ)		
Bond Ball Mill Work Index (BWi)	10.6 - 10.9 kWh/t		
Angle of Repose	37°	42° (DEM)	32° (Dynamic)
Drawdown Angle	55°	68° (DEM)	

¹ As included within the 2021 Metallurgical Review Report.

² Based on first 5-year schedule from the Ore Reserve Estimate (ASX Announcement 25 May 2021).

³ Results calculated at a 90% average conversion of total alumina according to the 2021 Metallurgical Review Report.

⁴ Results calculated at a 65% average conversion of total silica according to the 2021 Metallurgical Review Report.

⁵ Tunra Report: Minim Martap Bauxite Handleability Testing Raymonde and Danielle Composite Samples; and Bond Ball Mill Work Index (BWi) results.