

## Metallurgical Grade Bauxite

<b>Product name</b>	Camalco Premium Bauxite
<b>Mineralogy<sup>1</sup></b>	Alumina Trihydrate (>90%)
<b>Refining</b>	Low and High Temperature
<b>Availability<sup>2</sup></b>	
Volume	Up to 6.4 Mtpa
Year	2023 (Estimated)
Port	Douala. Cameroon. West Africa
Vessel size	Capesize

DSO Primary Chemical Properties	Typical <sup>1,2</sup>	Maximum	Minimum
Total Alumina (Al <sub>2</sub> O <sub>3</sub> )	52%	54%	50%
Total Silica (SiO <sub>2</sub> )	2.0%	2.8%	1.1%
Alumina to Silica ratio	26	19	45
Total Iron (Fe <sub>2</sub> O <sub>3</sub> )	14.1%	15.3%	11.0%
Total Titanium (TiO <sub>2</sub> )	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) <sup>1</sup>	Typical	Maximum	Minimum
Available Al <sub>2</sub> O <sub>3</sub> @ 90% <sup>3</sup>	47%	49%	45%
Reactive SiO <sub>2</sub> @ 65% <sup>4</sup>	1.3%	1.8%	1.0%

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

Physical Properties <sup>5</sup>			
Particle Size	P <sub>100</sub>	<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)	

<sup>1</sup> As included within the 2021 Metallurgical Review Report.

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

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

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

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