



Excellens Products Inc.

Technical Data Sheet
Dark Calcined Bauxite
Type HF-DCB



Date	2019		
Product /Type/Grade	Dark calcined bauxite, HF-DCB, 1-3 mm		
Physical tests	Result*	Notes	
Mohs hardness	8.5-9.0		
Specific gravity	3.2-3.3		
Porosity (%)	<5.0		
Refractory temperature (Celsius)	1650		
Bulk density (g/cm ³)	---		
Colour	Dark blue mix		
Chemical tests			
Aluminium oxide, Al ₂ O ₃ (%)	>86		
Ferric oxide, Fe ₂ O ₃ (%)	<1.5		
Calcium oxide, CaO (%)	<0.5		
Sodium oxide, Na ₂ O (%) +Potassium oxide, K ₂ O (%)	<0.3		
Titanium oxide, TiO ₂ (%)	<3.7		
Other	---		
Grain characteristics & size distribution			
Grain size range	1-3mm		
Shape grain	irregular		
% passing sieve 3.35 mm (USS sieve 6)	95-100%		
% passing sieve 2.80 mm	90-99%		
% passing sieve 2.00 mm	50-70%		
% passing sieve 1.18 mm (USS sieve 16)	0-10%		

***Typical results**

Manufactured for and distributed exclusively by:



Excellens Products Inc.

excellensproducts@shaw.ca
1-604-949-1660