



Andalusite Spicification Data Sheet

Grain: 3-5 mm								
Chemical Analysis								
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	L.O.I
>56%	~39%	<1.2%	~0.2%	~0.2%	~0.18%	~0.2%	~0.9%	~1%
Grain Size Distribution								
<2.8 mm	2.8 - 4 mm		4 - 4.7 mm		> 4.7 mm		-	
4.20%	53.70%		36.50%		5.60%		-	

Grain: 1-3 mm								
Chemical Analysis								
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	L.O.I
>57%	~39%	<0.8%	~0.1%	~0.06%	~0.08%	~0.07%	~0.35%	~0.6%
Grain Size Distribution								
0-0.6 mm	0.6-1.4 mm		1.4-2.36 mm		2.36-3.35 mm		>3.36 mm	
6.50%	33.90%		43.20%		16.40%		0	

Grain: 0-1 mm								
Chemical Analysis								
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	L.O.I
>57%	~39%	<0.8%	~0.1%	~0.06%	~0.08%	~0.07%	~0.35%	~0.6%
Grain Size Distribution								
0-0.15 mm	0.15-0.3 mm		0.3-0.5 mm		0.5-1 mm		>0.6 mm	
23%	16.60%		22.30%		34.70%		3.40%	

Milled Powder: Mesh #200								
Chemical Analysis								
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	L.O.I
>57%	~39%	<0.8%	~0.1%	~0.06%	~0.08%	~0.07%	~0.35%	~0.6%

Milled Powder: Mesh #325								
Chemical Analysis								
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	L.O.I
>57%	~39%	<0.8%	~0.1%	~0.06%	~0.08%	~0.07%	~0.35%	~0.6%

Specific Gravity (g/cm ³)	> 3.0
Moisture (%)	≤ 0.5



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