

## The Andalusite Summery Specification Sheet

### Chemical Analysis of CHePA56: 3-5 mm Product

	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	L.O.I
<b>Typical (%)</b>	56.21	38.97	1.11	0.19	0.21	0.18	0.20	0.87	0.97
<b>Guarantee (%)</b>	≥56		≤ 1.2						

### Grain Size Distribution of 3-5 (mm) Product

	<2.8	2.8-4	4-4.7	> 4.7
<b>Typical (%)</b>	4.2	53.7	36.5	5.6
<b>Range (%)</b>	<5	45-55	30-40	5-10

### Chemical Analysis of CHePA57: 1-3, 0-1 mm & Milled Product (Fine size are produce from 1-3 mm)

	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	L.O.I
<b>Typical (%)</b>	58.6	38.65	0.67	0.11	0.06	0.08	0.07	0.34	0.59
<b>Guarantee (%)</b>	≥57		≤ 0.8						

### CHePA57: 1-3 mm Grain Size Distribution (mm)

	0-0.6	06-1.4	1.4-2.36	2.36-3.35	> 3.36
<b>Typical (%)</b>	6.5	33.9	43.2	16.4	0.0
<b>Range (%)</b>	5-10	20-35	35-45	10-20	0

### CHePA57: 0-1 mm Grain Size Distribution (mm)

	0-0.15	0.15-0.3	0.3-0.5	0.5-1	> 0.600
<b>Typical (%)</b>	23.0	16.6	22.3	34.7	3.4
<b>Range (%)</b>	20-30	15-25	20-30	30-40	<5

### CHePA 57: Milled Sizing (Mesh)

<b>Sizing (Mesh)</b>	200	325
<b>Sizing (Micron)</b>	75	45
<b>Product Size [D95 (Micron)]</b>	75	45

**Specific Gravity (g/cm<sup>3</sup>)** > 3.1

**Moisture (%)** ≤0.5

Chemical Analysis of CHEPA56: 3-5mm Product									
Typical(%)	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	L.O.I
	56.21	38.97	1.11	0.19	0.21	0.18	0.2	0.87	0.97
Gurantee(%)	≥ 56		≤ 1.2						
Specific Gravity(g/cm <sup>3</sup> )	3.1								
Moisture(%)	≤0.5								

Grain Size Distribution of 3-5mm Product				
Size	<2.8	2.8-4	4-4.7	>4.7
Typical(%)	4.2	53.7	36.5	5.6
Range(%)	<5	45-55	30-40	5-10

Chemical Analysis of CHEPA57: 1-3 (Fine sizes are produced from 1-3mm)									
Typical(%)	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	L.O.I
	58.6	38.65	0.67	0.11	0.06	0.08	0.07	0.34	0.59
Gurantee(%)	≥ 57		≤ 0.8						
Specific Gravity(g/cm <sup>3</sup> )	3.1								
Moisture(%)	≤0.5								

Grain Size Distribution of 1-3mm Product					
Size	0-0.6	06-1.4	1.4-2.36	2.36-3.35	>3.35
Typical(%)	6.5	33.9	43.2	16.4	0.00
Range(%)	5-10	20-35	35-45	10-20	0

Chemical Analysis of CHEPA57: 0-1									
Typical(%)	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	L.O.I
	58.6	38.65	0.67	0.11	0.06	0.08	0.07	0.34	0.59
Gurantee(%)	≥ 57		≤ 0.8						
Specific Gravity(g/cm <sup>3</sup> )	3.1								
Moisture(%)	≤0.5								

Grain Size Distribution of 0-1mm Product					
Size	0-0.15	0.15-0.3	0.3-0.5	0.5-1	>1
Typical(%)	23	16-6	22.3	34.7	3.4
Range(%)	20-30	15-25	20-30	30-40	<5

Chemical Analysis of CHEPA57:Milled									
Typical(%)	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	L.O.I
	58.6	38.65	0.67	0.11	0.06	0.08	0.07	0.34	0.59
Gurantee(%)	≥ 57		≤ 0.8						
Specific Gravity(g/cm <sup>3</sup> )	3.1								
Moisture(%)	≤0.5								

Milled		
Sizing (Mesh)	200	325
Sizing (Micron)	75	45
Product Size[D95(micron)]	75	45