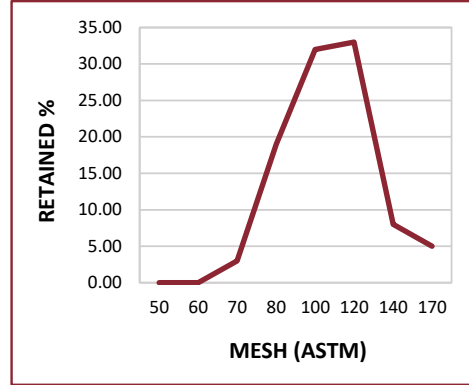




**GRADE : # 120**

**SIEVE ANALYSIS**

Mesh	IN	MM	Retained %	
			Spec	Typical
50	0.0117	0.300	0	0.00
60	0.0098	0.250	0	0.00
70	0.0083	0.212	0-5	3.00
80	0.0070	0.180	10-20	19.00
100	0.0059	0.150	25-40	32.00
120	0.0049	0.125	25-40	33.00
140	0.0041	0.105	0-10	8.00
170	0.0035	0.090	0-5	5.00
PAN			0-1	0.00



**MINERAL COMPOSITION**

Minerals	Specification (%)	Typical (%)
Garnet	Min 97.00	98.5
Calcium Carbonate	Max 1.0	0.5
Ilmenite	Max 1.0	0.5
Other	Max 1.00	0.5

**PHYSICAL CHARACTERISTICS**

Minerals	Specification	Typical
Specific Gravity	3.9 - 4.1	4.01
Conductivity	Max 250 uS/cm	130.50 uS/cm
Chloride	Max 25 Ppm	8.00 Ppm
Hardness	Min 7 Moh's Scale	7.87 Moh's Scale
Bulk Density	2.0 - 2.3 g/cm <sup>3</sup>	2.10 g/cm <sup>3</sup>
Suspended Solids	Max 1500 Mg/l	1000 Mg/l

**CHEMICAL COMPOSITION**

Elements	Specification (%)	Typical (%)
SiO <sub>2</sub>	34.0 - 43.0	34.04
AL <sub>2</sub> O <sub>3</sub>	18.0 - 28.0	20.28
FeO	21.0 - 36.5	29.72
Fe <sub>2</sub> O <sub>3</sub>	1.0 - 6.0	5.02
MgO	5.0 - 10.0	7.16
CaO	1.0 - 5.0	2.06
TiO <sub>2</sub>	1.0 - 5.0	1.06
MnO	0.0 - 1.0	0.65
Others	0.0 - 1.0	0.01