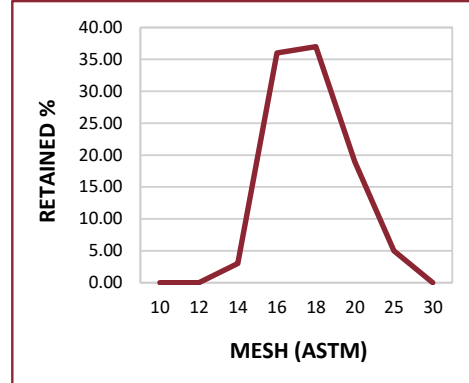




GRADE : # 16

SIEVE ANALYSIS

Mesh	IN	MM	Retained %	
			Spec	Typical
10	0.0790	2.000	0	0.00
12	0.0661	1.700	0-5	0.00
14	0.0555	1.400	0-10	3.00
16	0.0469	1.180	20-40	36.00
18	0.0394	1.000	20-40	37.00
20	0.0331	0.850	10-20	19.00
25	0.0278	0.710	0-5	5.00
30	0.0232	0.6	0-1	0.00
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 ³	2.10 g/cm ³
Suspended Solids	Max 1500 Mg/l	1000 Mg/l

CHEMICAL COMPOSITION

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