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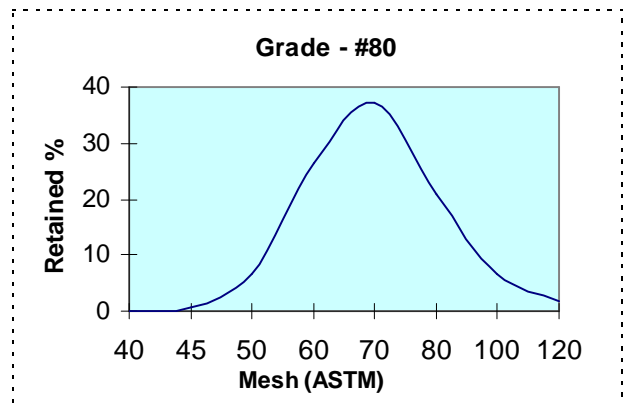
GRADE - D (#80)

Version : V 3.5

Revision Date: 01.01.2015

Particle Size Analysis report

Mesh	MM	Retained %	
		Guaranteed %	Actual %
40	0.425	0	0.0
45	0.355	< 2	0.70
50	0.300	4 ~ 10	6.52
60	0.250	20 ~ 35	26.36
70	0.212	30 ~ 45	37.12
80	0.180	10 ~ 25	20.80
100	0.150	4 ~ 10	6.70
120	0.125	< 5	1.80



Mineralogical report

Minerals	Guaranteed	Actual %
Garnet	Min 98.00 %	98.72 %
Ilmenite	Max 01.50 %	00.98 %
Others	Max 00.50 %	00.30 %

Physical Parameters

Parameters	Guaranteed	Actual
Conductivity	Max 15.0 mS/m	12.80 mS/m
Chloride	Max 25 ppm	21.20 ppm
Specific gravity	3.9 ~ 4.3	4.10
Bulk density	2.1 ~ 2.7 g/cm ³	2.46 g/cm ³
Hardness	Min 7 moh scale	7 moh scale
Suspended Solid	Max 1500 mg/l	940 mg/l
Moisture	Max 0.25 %	0.12 %
Toxic substances	None	None

Chemical Content

Elements	Guaranteed	Actual %
SiO ₂	33.0 ~ 38.0 %	35.48 %
Al ₂ O ₃	19.0 ~ 22.0 %	21.12 %
Fe ₂ O ₃	30 ~ 35.0 %	30.90 %
MgO	6.0 ~ 8.0 %	6.36 %
CaO	1.0 ~ 2.0 %	1.24 %
TiO ₂	1.0 ~ 4.0 %	1.92 %

* Garnet being a natural product, its analysis is expected to vary periodically and between deposits