

Garuda – #20~40 Garnet Specification

Particle Size Analysis Report

Mesh	MM	Retained %	
		Guaranteed %	Actual %
20	0.850	0 ~ 1	00.30
30	0.600	60 ~ 80	71.60
40	0.425	15 ~ 30	24.60
50	0.300	0 ~ 5	03.50

Mineralogical Report

Minerals	Guaranteed %	Actual %
Garnet	Min 99.50%	99.76 %
Ilmenite	Max - 00.25 %	00.10 %
Others	Max - 00.25 %	00.14 %

Physical Analysis Report

Parameter	Guaranteed	Actual
Specific Gravity	4.0 ~ 4.3	4.22
Bulk Density	2.0 ~ 2.6 g/cm ³	2.32 g/cm ³
Conductivity	Max 15 mS/m	11.50 mS/m
Chloride	Max 25 ppm	19.92 ppm

Chemical Content

Elements	Guaranteed %	Actual %
SiO ₂	35.0 ~ 40.0	39.50
Al ₂ O ₃	18.0 ~ 22.0	19.60
Fe ₂ O ₃	30.0 ~ 35.0	32.60
MgO	1 ~ 2.0	01.06
CaO	6.0 ~ 7.0	06.15
TiO ₂	0 ~ 1	00.31

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