

Garuda - #30~60 Garnet Specification

Revision Date: 03.07.2023

Particle Size Analysis Report

Mesh	MM	Retained %	
		Guaranteed %	Actual %
30	0.600	< 3	01.92
40	0.425	15 ~ 30	24.80
50	0.300	40 ~ 60	44.18
60	0.250	10 ~ 25	18.88
70	0.212	0 ~ 10	07.10
80	0.180	< 5	03.12

Mineralogical Report

Minerals	Guaranteed %	Actual %
Garnet	Min 98.50%	99.24 %
Ilmenite	Max - 00.75 %	00.34 %
Others	Max - 00.75 %	00.42 %

Physical Analysis Report

Parameter	Guaranteed	Actual
Specific Gravity	4.0 ~ 4.3	4.3
Bulk Density	2.0 ~ 2.6 g/cm ³	2.4 g/cm ³
Conductivity	Max 15 mS/m	10.10 mS/m
Chloride	Max 25 ppm	19.24 ppm

Chemical Content

Elements	Guaranteed %	Actual %
SiO ₂	35.0 ~ 40.0	39.10
Al ₂ O ₃	18.0 ~ 22.0	19.60
Fe ₂ O ₃	30.0 ~ 35.0	32.80
MgO	1 ~ 2.0	1.14
CaO	6.0 ~ 7.0	6.09
TiO ₂	0 ~ 1	0.33

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