

Garuda – #120 Garnet Specification

Particle Size Analysis Report

Mesh	MM	Retained %	
		Guaranteed %	Actual %
60	0.250	< 0.30	00.10
70	0.212	0 ~ 2	00.22
80	0.180	20 ~ 30	24.22
100	0.150	40 ~ 60	55.18
120	0.125	5 ~ 20	16.22
140	0.106	2 ~ 5	03.80
170	0.090	< 2.0	00.26

Mineralogical Report

Minerals	Guaranteed %	Actual %
Garnet	Min 95.00%	96.50 %
Ilmenite	Max - 02.50 %	01.60 %
Others	Max - 02.50 %	01.90 %

Physical Analysis Report

Parameter	Guaranteed	Actual
Specific Gravity	3.9 ~ 4.3	4.10
Bulk Density	2.0 ~ 2.6 g/cm ³	2.34 g/cm ³
Conductivity	Max 25 mS/m	19.65 mS/m
Chloride	Max 50 ppm	37.83 ppm

Chemical Content

Elements	Guaranteed %	Actual %
SiO ₂	35.0 ~ 40.0	38.94
Al ₂ O ₃	18.0 ~ 22.0	19.70
Fe ₂ O ₃	30.0 ~ 35.0	32.44
MgO	1 ~ 2.0	1.18
CaO	6.0 ~ 7.0	6.03
TiO ₂	0 ~ 1	0.70

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