



MML ANALYTICAL LABORATORY

ISO 9001 : 2015 CERTIFIED



Analysis Certificate

		DATE: 12.07.2020	
S.NO./ MML / LAB. /CL Number	:	419	
Sample registration number	:	218	
PARTICULARS OF SAMPLE SUBMITTED :			
Name of the party	:	ELITE MINERALS	
Address	:	1/707-4,DWARAKA NAGAR ,KADAPA-516004.	
Party Reference No.	:	12/24 MESH/ NO OF USING 8 TIMES	
Sample Received on	:	09.07.20	
Nature of sample submitted by party	:	GARNET SAND (12/24) MESH	
Physical form	:	GRAINS	
Quantity	:	250 Gm approx	
Packing	:	Polythene bag	
RESULT OF THE SAMPLE SUBMITTED BY YOU ARE AS UNDER :			
Chemical Analysis		Physical Properties	
Compound	Results %	Name of test	Results %
Loss On Ignition	: (LOI) 0.010	Particle size distribution	: -
Silica	: (SiO ₂) 35.21	+1.70 MM (12M)	: 0.000
Iron	: (Fe ₂ O ₃) 38.53	+1.40 MM (14M)	: 4.850
Alumina	: (Al ₂ O ₃) 18.92	+1.18 MM (16M)	: 18.40
Potash	: (K ₂ O) 0.140	+1.0 MM (18M)	: 12.45
Soda	: (Na ₂ O) 0.22	+0.85 MM (20M)	: 63.00
Calcium Oxide	: (CaO) 1.44	+0.71 MM (25M)	: 0.850
Magnesium Oxide	: (MgO) 4.36	+0.60 MM (30M)	: 0.210
Titanium	: (TiO ₂) 0.23	+0.50 MM (35M)	: 0.190
Magnese Oxide	: (MnO ₂) 0.70	-0.50 MM (-35M)	: 0.050
Mineral Composition (Purity)			
Purity of Garnet	: (Fe ₃ Al ₂ Si ₃ O ₁₂) 93-96		
Product characteristics			
Hardness (Mohs Scale)	: (HN) 7.80-8.10		
Density (gm/cm ³)	: (D) 4.180		
Specific Gravity	: (S.G.) 4.170		
Chlorides (PPM)	: (Cl) 18.70		
Electric Conductivity	: (E.C.) 19.26 μS		
Moisture	: (H ₂ O) 0.0140		



NOTE :

SAMPLE WILL BE DESTROYED AFTER REPORTING OF 7 DAYS.

SAMPLE WILL BE PRESERVED FOR MAXIMUM PERIOD OF ONE MONTH ON THE PARTY'S REQUEST ON CHARGE BASIS.

WE WILL NOT BE A PARTY TO ANY LEGAL PROCEEDINGS.