



MML ANALYTICAL LABORATORY

ISO 9001 : 2015 CERTIFIED



Analysis Certificate

DATE: 14.09.2021

S.NO./ MML / LAB. /CL Number : 1542
 Sample registration number : S-207

PARTICULARS OF SAMPLE SUBMITTED :

Name of the party : **ELITE MINERALS**
 Address : **1/707-4,DWARAKA NAGAR KADAPA 516004**
 Party Reference No. : **NIL**
 Sample Received on : **12.09.21**
 Nature of sample submitted by party : **NATURAL ABRASIVE-**
 Physical form : **30-60 Mesh Size**
 Quantity : **250 Gm approx**
 Packing : **Polythene bag**

RESULT OF THE SAMPLE SUBMITTED BY YOU ARE AS UNDER :

Chemical composition			Physical Properties	
Compound	Results %	Name of test	Results %	
Loss On Ignition : (LOI)	0.021	Product characteristics		
Silica : (SiO ₂)	35.920	Hardness (Mohs Scale) :	7.50-8.00	
Iron : (Fe ₂ O ₃)	36.810	Specific gravity (gm/cm ³) :	4.180	
Alumina : (Al ₂ O ₃)	19.760	Chlorides (PPM) :	24.92	
Calcium Oxide : (CaO)	2.510	Electric Conductivity :	19.80 μS	
Magnesium Oxide : (MgO)	3.420	Moisture :	0.0025	
Titanium : (TiO ₂)	0.420	Effective size (mm) :	0.30-0.60	
Manganese Oxide : (MnO ₂)	0.850	Uniformity Coefficient :	1.180	
Mineral Composition		Acid Solubility :	Insoluble	
Almandine : (Fe ₃ Al ₂ Si ₃ O ₁₂)	92-96			
Ilmenite : (FeTiO ₃)	0.85	Sieve Size (ASTM Mesh)		
Quartz : (SiO ₂)	0.0-0.50	+20 Mesh :	0.000	
Other (Pyrolusite,Pyrope etc)	2-3	+25 Mesh :	0.250	
		+30 Mesh :	1.750	
		+40 Mesh :	66.100	
		+50 Mesh :	22.550	
		+60 Mesh :	8.700	
		-60 Mesh (pass) :	0.650	

FOR M M L ANALYTICAL LAB.



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