FINE MINERALS AND CHEMICALS

PRODUCT CATALOGUE

QUALITY PRODUCTS

ENDURING RELATIONSHIP

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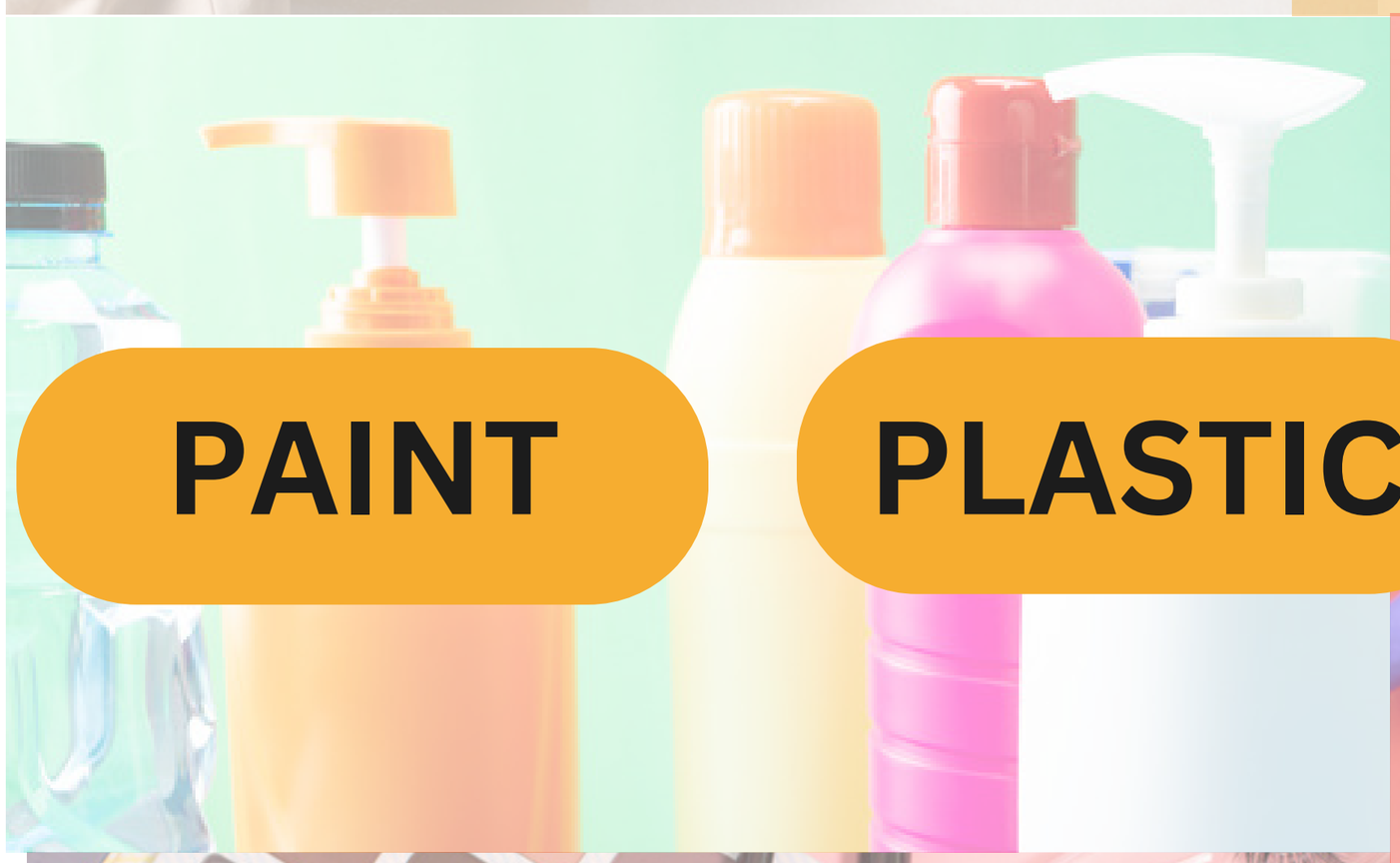
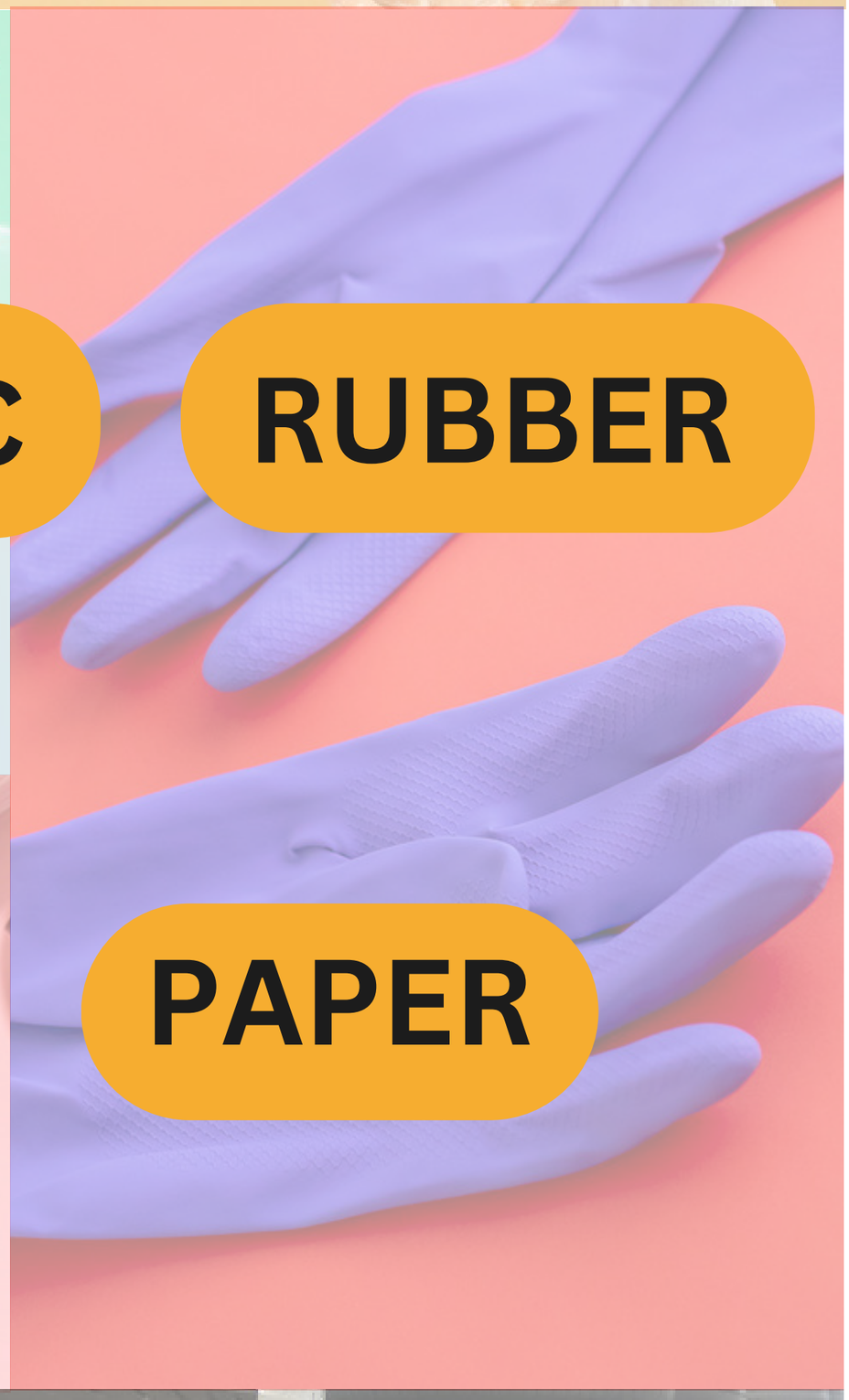
Reasonable price and irreplaceable quality

We supply materials to these industries.



PAINT

PLASTIC



RUBBER

PAPER

COSMETICS

SOAPS & DETERGENT

CALCIUM CARBONATE

Our Calcium Carbonate includes various grades assuring that our different customers will get suitable quality material with cost efficiency. We have purest and brightest source of calcium carbonate and exploit with high standard of sustainability.

CaCO3	98.5% Min	Specific Gravity	2.65 – 2.7 g/cm
Fe2O3	0.02% Max	Hardness	3 Moh
Al2O3	0.03% Max	Moisture	0.20%
MgO	0.05% Max	Oil absorption	23/100g CaCO3
SiO2	0.05% Max	Whiteness	98% Min
		Brightness	96% Min

MAIN GRADES OF COATED CALCIUM CARBONATE				MESH	MAIN GRADES OF UNCOATED CALCIUM CARBONATE			
NO	PRODUCT	SIZE			NO	PRODUCT	SIZE	
		D50	D97				D50	D97
1	CreCarb TQ	1.0 ± 0.3µm	4.5 ± 1 µm	2700	1	CreCarb QP	1.0 ± 1 µm	4.5 ± 1 µm
2	CreCarb TS	1.2 ± 0.3µm	5 ± 1 µm	2500	2	CreCarb SP	1.2 ± 0.3 µm	5 ± 1 µm
3	CreCarb TM	1.4 ± 0.3µm	6 ± 1 µm	2000	3	CreCarb MI	1.4 ± 0.3 µm	6 ± 1 µm
4	CreCarb 1T	1.6 ± 0.3µm	8 ± 1 µm	1800	4	CreCarb 1	1.6 ± 0.3 µm	8 ± 1 µm
5	CreCarb 2T	2.0 ± 0.3µm	10 ± 1 µm	1250	5	CreCarb 2	2.0 ± 0.3 µm	10 ± 1 µm
6	CreCarb 2T-N	2.2 ± 0.3µm	12 ± 2 µm	1000	6	CreCarb 2 N-L	2.2 ± 0.3 µm	12 ± 2 µm
7	CreCarb 2T-I	2.7 ± 0.3µm	17 ± 2 µm	800	7	CreCarb 2 I-L	2.7 ± 0.3 µm	17 ± 2 µm
8	CreCarb 3T	3.5 ± 0.3µm	20 ± 2 µm	700	8	CreCarb 3	3.5 ± 0.3 µm	20 ± 2 µm
9	CreCarb 4T	4.5 ± 0.3µm	24 ± 2 µm	600	9	CreCarb 4	4.5 ± 0.3 µm	24 ± 2 µm
				500	10	CreCarb 5	6.5 ± 0.3 µm	30 ± 2 µm
				400	11	CreCarb 8	8.0 ± 0.3 µm	35 ± 2 µm
				325	12	CreCarb 10	10 ± 0.3 µm	44 ± 2 µm

PRECIPITATED CALCIUM CARBONATE

Precipitated Calcium Carbonate (PCC) is an innovative product derived from limestone, which has many industrial applications. PCC is made by hydrating high- calcium quicklime and then reacting the resulting lime slurry with carbon dioxide. The resulting product is extremely white and typically has a uniform narrow particle size distribution. PCC is available in numerous crystal morphologies and sizes, which can be tailored to optimize performance in a specified application.

SPECIFICATIONS		
Loss on drying at 105 °C	**0.19**	**%**
Acid Insoluble	**0.2**	**%**
Magnesium as Mgo	**0.20**	**%**
Silica	**0.02**	**%**
Iron as Fe	**200ppm**	
PH of 10% aqueous Suspension at 26°C	**9.5**	**%**
Brightness(compared against 100% MgO)	**97**	**%**
Bulk density	**0.50g/ml**	**%**
Calcium Carbonate as CaCO3	**98.8**	**%**
Particle size	**3 to 7 Microns**	
Residue 325 mesh	**0.1**	**%**
Moisture	**0.2**	**%**
Specific Gravity	**2.7**	

STEATITE POWDER (TALC)

It has been confirmed as the most refined and smooth product on the earth surface used in a wide range of applications. It has been seen that the Paints and coatings need to meet the high-performance standards in terms of corrosion resistance. For this, talc could be an essential element that acts as a filler in paints and coatings to improve their structure. Talc powder has proved to be an ideal mineral for pigments, fillers and extenders in industrial paints, where they are beneficial in improving mechanical properties, optical properties and production processes. The utilization of Talc powder leads to extreme advantages in paints and coatings. It is mainly used in the paints and coating industry, printing inks, wood lacquers, fillers and other types of coatings.

SPECIFICATION	RESULTS
Chemical Properties	
Silica as SiO_2	53.5%
Magnesium MgO	31.3 %
Calcium Oxide CaO	6.8 %
Iron Fe_2O_3	0.85 %
Alumina Al_2O_3	0.80%
PH value	8
Physical Properties	
Bulk Density	0.6
Whiteness	96%
Brightness	94.5%
Average particle size(D 50)	4.5± .3µm
Top cut (D 97)	17 ± 2

STEATITE POWDER (COSTEMIC)

SL.NO	PARTICULARS	%	SPECIFICATION
1	**BRIGHTNESS**	**%**	**92.5 - 93.5**
2	**WHITNESS**	**%**	**94.0 - 95.0**
3	**BULK DENSITY**	**(g/cc)**	**0.40 - 0.50**
4	**MOISTURE DENSITY AT 105 C**	**%**	**0.20**
5	**SPECIFIC GRAVITY**	**-**	**2.75**
6	**LOI**	**%**	**5 - 8**
7	**SiO2**	**%**	**58 - 61**
8	**MgO**	**%**	**29 - 31**
9	**CaO**	**%**	**0 - 1**
10	**HEAVY METALS**	**%**	**0 - 10**
11	**RETENTION ON 500 MESH**	**%**	**0 - 0.5**
12	**OIL ABSORPTION**	**g/100g**	**35 - 45**

DOLOMITE POWDER

Dolomite is in bright white colour and we supply Dolomite varying from sizes of 150 Mesh upto 2 Microns. Dolomite is also being used as fillers by detergents, Steel, Paints and ceramics

SPECIFICATIONS		
CaCO3	**56**	**%**
MgCO3	**43**	**%**
Bulk Density	**9.7mi/100 gms**	
Dry Whiteness	**93+2**	**%**
Specific Gravity	**2.89**	

BARIUM SULPHATE (BARYTES)

CBarium sulphate is the inorganic compund with the chemical formula BaSO4. It is a white crystalline solid that is odourless and insoluble in water. It can be used as filling and can take the place of some expensive material such as basofor, crypton, titanium dioxide, activity, monox etc to control the viscosity of the paint compatibly to make the products with bright colour anc good stability

CHEMICAL ANALYSIS OF THE RAW MATERIAL

Sl.no	Items	Typical	%
1	BaSO4	96.85	%
2	SiO2	1.44	%
3	CaO	0.22	%
4	MgO	0.20	%
5	Al2O3	0.18	%
6	Fe2O3	0.11	%
7	LOI	0.55	%

SPECIFIC PRODUCT DATA

Sl.no	Items	Typical	%
1	Whiteness	93.90	%
2	Brightness	91.00	%
3	Moisture	0.16	%
4	Oil absorption	13.50	gm/100 ml
5	Water Soluble	0.10	%
6	PH Value (at 10 solu)	7.70	%
7	Specific Gravity	4.56	%
8	Ret.on 500 Mesh	0.07	%

ROCK PHOSPHATE

Rock Phosphate, also known as phosphate rock or phosphorite, is a mineral rich in phosphorus. With a phosphorus content ranging from 16% to 20%, it serves as a valuable source of this essential nutrient for plants. When rock phosphate is applied to the soil, it slowly releases phosphorus over time, providing a sustainable and long-lasting supply for plant growth.

Sl.No	TEST	RESULT OF ANALYSIS	RANGE
1.	P2O5	18.80%	18-20%
2.	SIO2	11.6%	9-13%
3.	MgO	1.48%	
4.	R2O3	1.4%	
5.	CaO	45.8%	45-46%
6.	LOI	5%	5-5.5%
7.	F	Negligible	
8.	Mesh	150	100-500

Unlike other phosphate sources like apatite or shell phosphate, rock phosphate is specifically recognized for its phosphorus content. By incorporating rock phosphate into the soil, farmers can ensure an adequate supply of phosphorus to support healthy plant growth and development.

HYDRATED LIME

Hydrated Lime, also called as ’Calcium Hydroxide’ or ’Slaked Lime’, is a dry, fine, white powder with chemical formula. High purity and accurate composition have also attracted various industrial sectors to place repeated orders for the Hydrated Lime.

NO	COMPOUND	UNIT	RESULT
1	Ca(OH)2	%	91%
2	CaCO3	%	1.88%
3	MgCO3	%	0.6%
4	SiO2	%	0.3%
5	Fe2O3	%	0.3%
6	Al2O3	%	0.12%
7	Fineness D90	µm	60µm
8	Whiteness	%	85.77%

Calcium hydroxide (traditionally called slaked lime) is an inorganic compound with the chemical formula Ca(OH)2. It is a colorless crystal or white powder and is obtained when calcium oxide (called lime or quicklime) is mixed, or slaked with water.

BURNED LIME (QUICK LIME)

Quicklime (or calcium oxide or burnt lime) is obtained by calcining pure limestone at a temperature above 9000C. This highly reactive product is essential to many industrial processes. Calcium oxide (CaO), commonly known as quicklime or burnt lime, is a widely used chemical compound.

Sl No.	Particulars	Unit	Results
1	Available Cao	%	90 Min
2	Magnesium Oxide: MgO	%	2.50 Max
3	Silicon Dioxide	%	1 Max
1	R2O3	%	1.2 Max

CALCINED KAOLIN

We are the stalwarts in the domain of manufacturing, supplying, wholesaling, and exporting Calcined Kaolin Powder These flavor grade chemicals are processed using pure and accurate ingredients that are procured from reliable and trusted vendors of the market. Our range is available in the market at leading prices in packs of different quantities.

SPECIFIC PRODUCT DATA		
Brightness	92±1	%
Yellowness	2-3	%
PH	5.0 – 7.0	%
Bulk Density	0.30 - 0.35	kg/Lit
Oil Absorption	55 - 60	ml/100gm
Moisture	<0.5	%
CHEMICAL COMPOSITION		
Al2O3	42-44	%
Fe2O3	< 0.5	%
SiO2	52-54	%
LOI	.05	%
Particle Size	62± 2	%
D(50) µ (w/w)	1.4 – 1.6	%
Retention on 500# ASTM sieve	< 0.05	%

HYDROUS CLAY

Hydrous Kaolin Powder is a type of white clay mineral with a fine texture. Shree Ram Kaolin has fully automated machinery that controls brightness and particle size. It has low bulk density and lightweight fine powder.

It is used as an extender, filler, and additive in several industries, such as fiberglass, detergent, fertilizer, ink, plastic, rubber, wire, cable, paint, paper, and ceramic frits

SPECIFICATION	UNIT	RESULT
PHYSICAL PROPERTIES		
Brightness	%	86.8
L- Value		95.2
Moisture	%	1.8
Bulk Density	Kg/L	0.30
pH (10 % solution)		4.7
Oil Absorption	gm/cc	37
Dispersant Demand	Kg/T	-
Caustic demand - NaOH	Kg/T	-
BF Viscosity 70% solids spindle no.3,100 RPM @ 25^0 C	CPs	-
PARTICLE SIZE ANALYSIS		
Retention on 300/325 Mesh	%	0.021
Retention on 500 Mesh	%	0.062
-2 Microns	%	90
+10 Microns	%	-

SILICA/ QUARTZ

Hydrated Lime, also called as ’Calcium Hydroxide’ or ’Slaked Lime’, is a dry, fine, white powder with chemical formula. High purity and accurate composition have also attracted various industrial sectors to place repeated orders for the Hydrated Lime.

NO	COMPOUND	UNIT	RESULT
1	Ca(OH)2	%	91%
2	CaCO3	%	1.88%
3	MgCO3	%	0.6%
4	SiO2	%	0.3%
5	Fe2O3	%	0.3%
6	Al2O3	%	0.12%
7	Fineness D90	µm	60µm
8	Whiteness	%	85.77%

Calcium hydroxide (traditionally called slaked lime) is an inorganic compound with the chemical formula Ca(OH)2. It is a colorless crystal or white powder and is obtained when calcium oxide (called lime or quicklime) is mixed, or slaked with water.

MICA

Mica is a naturally occurring, highly platy phyllosilicate of aluminium and potassium that occurs in book-like form that can be easily split into extremely thin, often transparent sheets that are both tough and flexible. Mica is fairly widespread and occurs in igneous, metamorphic and sedimentary rocks. Large mica crystals are typically mined from granitic pegmatites.

CHARECTERISTICS					
TEST ITEM	**MIN.**	**TYPE**	**MAX**	**UNIT**	**TEST METHOD**
ROS 200 mesh	-	0.5	1	%	Wet sieve
Sand contant	0.1	-	0.3	%	
pH	7	-	9		PH Meter
Whitness	65	-	85	%	Against 100% MgO
Loss of ignition	3	-	5	%	At 900*C
Lead (as Pb)	-	<1.0	10	ppm	SO-IN-MUL-TE-109
Anitmony (ad Sb)	-	<1.0	10	ppm	SO-IN-MUL-TE-109
Arsenic (as As)	-	<1.0	10	ppm	SO-IN-MUL-TE-109
Barium (as As)	-	<0.01	1	%	SO-IN-MUL-TE-109
Cadmium(as Cd)	-	<1.0	10	ppm	SO-IN-MUL-TE-109
Chromium (as Cr)	-	<1.0	10	Ppm	SO-IN-MUL-TE-109
Copper (as Cu)	-	<1.0	10	Ppm	SO-IN-MUL-TE-109
Nickel (as Ni)	-	<1.0	10	ppm	SO-IN-MUL-TE-109
inc (as Zn)	-	<0.01	1	%	SO-IN-MUL-TE-109

GENERAL PROPERTIES	
ITEM	**%**
SiO2	43-48 %
Al2O3	33-38 %
K2O	7-9 %
Fe2O3	1-2 %
Refraction Index	1.596
Moh's Hardness	2.8
Specific Gravity	2.7-3.1
Dehydrate Temprature	550*C
Melting Point	1250*c

CALCIUM METASILICATE (wollastonite- Wolkem)

Wollastonite is chemically a Calcium Meta Silicate (CaSiO3), it is a naturally occurring white & acicular (needle shaped) mineral. In addition to Wolkem Wollastonite's unique morphology, it is alkaline, inert, has low loss on ignition, low water solubility, low co-efficient of linear thermal expansion and it originate from our own extensive & unique deposits. Various grades of wollastonite powder are supplied in 60 mesh to d50<2

micron sizes and also in treated form as per customers specific requirement.

SL.NO	PARTICULARS	UOM	TEST RESULT
CHEMICAL PROPERTIES			
1	CaSiO3 as CaO + SiO2	%	93.46
PHYSICAL PROPERTIES			
1	BRIGHTNESS- As compared with 100% MgO	%	73.30
2	BULK DENSITY- Tapped	Gm/ml	1.00
SIEVE ANALYSIS			
1	Retention on 600 mesh	%	0.18
2	Retention on 200 mesh	%	18.59
	Moisture Content	**%**	**0.095**

RED OXIDE (NATURAL)

Red Oxide is a naturally occurring mineral and is red in colour which is also used as a pigment in the paint manufacturing. Its natural colour and ferric content makes it unique to be able to have bulk application into the red oxide primer manufacturing which is used as an undercoat on the steel structure to resist the corrosion.

CHEMICAL ANALYSIS OF THE RAW MATERIAL

Sl.no	Items	Typical	%
1	Fe2O3	65.98	%
2	Fe metal	0.03	%
3	**Al2O3**	2.0	%
4	P	0.065	%
5	S	0.032	%
6	Dry Bulk Density	1.8	Grams/cm³
7	PH	7.85	
10	Moisture	2.5	%
11	Particle size	+45 µm - 5.0% max	%
12	Colour	Dark Red	

SILICA SAND

It's is widely used in Texture paints and other Allied Industries. We can provide you Marble Sand of various Sizes viz, 50/150, 24/60, 30/80, 1MM, 2MM etc.

Sl.NO	PARTICULARS	TEST RESULT
1	Hardness	3.0
2	Specific Gravity	2.65
3	Loss of Ignition	0.13%
4	Calcium Carbonate	56%
5	Magnesium Carbonate	43%