



plumet

For Mining

INTRODUCTION

- Plumei is a highly reputable Egyptian-based company with more than 9-year experience in the mineral industry. We supply and export high quality raw materials, including Talc Powder & Lumps , silica sand, Rock Phosphate, Calcium Carbonate, Kaolin Lumps, Ball Clay, hematite iron ore , and Quartz. With our well-trained staff, we provide user-friendly services to all our customers.
- In the period from 2009 to 2012 , We had exported 80% of the total oil exports from Egypt . Moreover, We had exported different Egyptian mineral resource like Talc powder to Bulgaria, Greece & Turkey. We ensure timely and safe delivery of the orders at required destinations.

PRODUCTS



- Talc Powder & Lumps
- Silica Sand
- Rock Phosphate
- Calcium Carbonate
- Kaolin
- Ball Clay
- Quartz
- Iron Ore(Hematite)

TALC POWDER



- The Talc stone is extracted from our mine located in Aswan region near to the borders of Egypt with Sudan. It is operated under the auspices of our professional engineers, using work machines producing Talcum Powder.
- Talcum Powder is used in a wide variety of products that we see every day. It is used as a filler, coating, pigment, dusting agent and extender in plastics, ceramics, paint, paper, cosmetics, roofing)
- Plumei For Mining is one of the leading producers of Talc Lumps & Powder in Egypt. We are capable of supplying high purity Talc Powder from Egypt, suitable for use in various applications . Our product reaches up to 99.9% purity and 97% of whiteness.

TALC PHOTO GALLERY



TALC POWDER

Specification

Origin: Egypt

Supply ability : 500- 1000 tons / month

Min. Order : 300 tons

Shipping term : FOB/CFR

Payment term : 100% at sight Irrevocable LC

Loading Port : Egyptian Ports

Delivery time: 30 days after issuance of LC

Packing: 1 ton jumbo bag or as per requirement of the buyer

Inspection : by quality control inspection of a third party inspection company such as SGS or any reputed surveyor

Test	Extra Fine Talc Grade	Extra Talc Grad I	Excellent Talc Grad II
Chemical Properties			
SiO ₂	62.6%	62.7%	62.5%
Mg O	31.94%	30.94%	30.34%
Al ₂ O ₃	0.32%	0.36%	0.38%
CaO	0.43%	0.54%	0.58%
Fe ₂ O ₃	0.15%	0.19%	0.3%
Na ₂ O	0.082%	0.101%	0.069%
L.O.I	4.81% min	4.81% min	4.81% min
Moisture	0.5% max	0.5% max	0.5% max
Hardness	1 Mohs	1 Mohs	1 Mohs
Brightness	96.6%	89.5%	85%
Size Analysis			
	D98%	42.04 Micron	
	D50%	9.04 Micron	

ROCK PHOSPHATE



- The term Rock Phosphate is used to denote any rock with high phosphorus content.
- The most important use of rock phosphate is in the production of phosphate fertilizers for agriculture also it's being used for manufacturing healthy food supplements for animals.
- We sell all types of Rock Phosphate P_2O_5 up to 30% for the production of phosphate fertilizers (Phosphoric acid MAP, DAP, TSP, SSP)

ROCK PHOSPHATE

Specification

Origin : Egypt

Grade: P2O5 30%,29%,28%,27%,26%

Supply ability :30,000 tons

Packing : bulk on vessel or packed
as per requirement

Shipping Term: FOB/CFR

loading port : Egyptian Ports

Payment : Irrevocable unconditional
at sight L/C

Inspection : SGS or any reputed
surveyor

Chemical Analysis	
Assay	Result %
P2O5	30 – 26 %
CaO	46 -48
MgO	0.30 – 0.40
Fe2O3	2.00 – 2.50
Al2O3	0.30 – 0.50
K2O	0.05 – 0.065
Na2O	0.35 – 0.50
SiO2	7.00 – 9.00
SO3	1.50 – 2.50
F	2.50 – 3.50
Cl	0.04 – 0.07
L.O.I	6.5 – 7.5
CO2	5.00 – 5.50
ORG.Matt.	0.15 – 0.25
H2O	4 - 6
Size Analysis	
Size mesh	Result%
+4.5	0 - 2
-4.5+100	70 - 80
-100+200	10 - 15
-200+270	3 - 5
-270	5 - 8

SILICA SAND



- The Silica Sand Is Available In Two Main Places In Egypt ,Its Located In Abu Zenima And El Zafarana Area Which are located in north and south Sinai , Each Area has Its Own Physical And Chemical Properties. The Reserve goes over 500.000.000 million Tons.
- The Silica Sand Is Widely Used In Many Purposes According To Its High Purity Of Silicon Content And Low Iron Content. It's Used In Glass Industry, Crystal Industry, Silicon Metal, Silica Sand For Glass, Foundry, Painting, Oil And Gas Stamped Concrete, Water Filtration, Pool Filter, Golf Course, Water Treatment, Plastering, Ceramics And Glaze Frets.

SILICA SAND

Specification:

Origin : Egypt

Supply ability : 100,000 MT/Month

Packing : bulk on vessel or
packed as per requirement

Shipping Term: FOB/CFR

loading port : Egyptian Ports

Payment : Irrevocable L/C

Application: Glass industry

CHEMICAL SPECIFICATIONS:

Assay	Result %
SiO ₂	99.57
Fe ₂ O ₃	0.013
Al ₂ O ₃	0.0142
TiO ₂	0.018
Cr ₂ O ₃	1.462 PPM
L.O.I	0.16
Moisture	0.05

GRAIN SIZE DISTRIBUTION: (SIEVED ON 0.6 MM)

Less than 0.106 mm	0 - 2 %
From 0.106 - 0.25 mm	20 - 30 %
From 0.25 - 0.425 mm	55 - 75 %
From 0.425 - 0.60 mm	5 - 10 %
Bigger than 0.60 mm	0 - 1 %

RIVER SAND FOR CONSTRUCTION



CHEMICAL SPECIFICATIONS:

Assay	Result %
SiO ₂	96.90
Fe ₂ O ₃	0.029
Al ₂ O ₃	1.00
K ₂ O	0.070
Turbidity	<100
Hardness	6 - 7 Moh
Attrition Loss	Below 1% in 100 hours backwashing
Acid solubility	Below 2% (24hours in 20% Hal)
Color	Brown/yellowish (off white)

CALCIUM CARBONATE

We supply High quality Calcium Carbonate powder of Egyptian Origin used in a wide range of industrial applications including Paint and Coatings, Plastics, PVC Pipes, Paper, and many other industries.

CaCo₃: 98% min

Whiteness: 96% min

Mean particle size: from 1 to 6 as per requirement



CALCIUM CARBONATE

Specification

Origin: Egypt

Supply ability : 5000tons / month

Min. Order : 300 tons

Shipping term : FOB/CFR

Payment term : 100% at sight Irrevocable LC

Loading Port : Egyptian Ports

Delivery time: 30 days after issuance of LC

Packing: 50 KG bags per requirement of the buyer

Inspection : by quality control inspection of a third party inspection company such as SGS or any reputed surveyor

CALCIUM CARBONATE(PCC 3)

Test	Result
Chemical Properties	
SiO ₂	0.1 %
Mg O	0.10 %
Al ₂ O ₃	0.1212
CaO	55.63 %
Fe ₂ O ₃	0.01 %
L.O.I	44.15 %
CaCo ₃	99.3 %
Physical Properties	
PH value (ISO 787/9)	9 max
Hardness	3 Mohs
True specific gravity	2.73 g/cm ³
Oil absorption (ISO 787/5)	18.2 ml/100g
Bulk Density (ISO 787/11)	0.7 g/cm ³
Absolute hardness	9
Moisture	0.2 max
HCL Insoluble	0.3 max
Whiteness	96% (Din 6174)
Particle Size	
Average Particle Size (d ₅₀)	3.2 μm ±0.2
Top Cut Particle Size (d ₉₇)	12 μm ±2
< 2 μm	40% ±1

KAOLIN



- Kaolin is a mineral belonging to the group of alumina silicates. It is commonly referred to as "China Clay" because it was first discovered at Kao-Lin, in China. The Term kaolin is used to describe a group of relatively Common clay minerals dominated by kaolin and derived primarily from the alteration of alkali feldspar and micas.
- Kaolin is an industrial mineral used primarily as inert Filler and customers combine it with other raw materials in a wide variety of applications.
- Uses: (Paper- Ceramics- Fillers- Paint - Rubber- Plastics- Refractoriness- Fiberglass- pharmaceuticals)

KAOLIN

Origin : Egypt
Supply ability :5,000
tons/Month
Packing : bulk on vessel or
packed as per requirement
Shipping Term: FOB/CFR
loading port : Egyptian Ports
Payment : Irrevocable L/C

Application: Ceramics,
Paper, Paint, & Rubber
Industries

CHEMICAL SPECIFICATIONS:

Assay	Result %
Al ₂ O ₃	32 - 38
SiO ₂	45 - 50
Fe ₂ O ₃	0.20 - 0.70
CaO	0 - 0.50
TiO ₂	1.00 - 2.00
K ₂ O	0 - 0.10
MgO	0 - 0.30
Cl	0 - 0.5
Organic matter	6.00 - 7.00
L.O.I	11.00 - 13.00
whiteness	91 min

BALL CLAY



CHEMICAL SPECIFICATIONS:

Assay	Result %
Al ₂ O ₃	16 - 28
SiO ₂	54 - 75
Fe ₂ O ₃	1.00 - 3.60
<u>CaO</u>	0 - 1
TiO ₂	2.00 - 3.00
<u>MgO</u>	0 - 0.20
L.O.I	5 - 8

MARKETS

- Plumei is and have been a leader in supplying minerals & oil to various markets around the world for the past 8 years. Meeting Rigorous standards, in many markets plumei service is uniquely effective at meeting the criteria set by the industry using it. Quality management, Plumei management & customer service staff focus on continuous improvement in our quality management system to insure that our products & services meet the customers' specifications while keeping our cost competitive. Also our logistics system supplies our customers' with the raw materials required by them at competitive rates.

- **Markets we exported to:**

- Bulgaria
- France
- Turkey
- Spain
- Ukraine



CONTACT US

Dear customer:

If you have any inquiry don't hesitate to contact us:



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