



WMA INDIA

White Mineral Associates

An ISO 9001-2008 Company



Pure
Choice



In everything you demand, you desire the finest.
At **WMA**, we believe that you deserve the purest. With quality assured at every level, we bring you minerals in their best form...and services in a reliable package.
Here, 'pure' becomes more than just a feature. It becomes your **strength**.



WMA INDIA

Our quality speaks for its purity.
Our work speaks of our vision.

WMA India comes from the western Indian state of Rajasthan, a land with rich mineral reserves and fruitful opportunities for mining & exploration. Rajasthan has the second largest reserves of feldspar in India, and is one of the country's leading producers of clay.

WMA India is a leading miner and processor of non-metallic white minerals, which include feldspar, quartz and clay. We have been exporting high-quality minerals, which serve as vital inputs for several industries, including ceramics, insulators, glass, glazes, and frits. In order to provide the best to our customers, we understand the need for consistent and committed delivery. Based on our current mineral utilisation per annum, we hold calculated mineral reserves that will last for the next 99 years, ensuring consistent and assured product quality for delivery on long-term basis.

WMA adheres to three practices that are crucial to providing fine quality output: constant research & development, persistent innovation and collective effort. Today, we are reckoned as 'trusted partners' by our clientele across the globe. The extensive application of these minerals in diverse industries makes it highly critical for us to meet desired quality standards. We have successfully met and delivered according to our clients' required product standards. Apart from making the product of superior quality, we also ensure its cost-effectiveness. Today, WMA's own brands INDOSPAR™ (feldspar) & INDOSIL™ (quartz) are known in the industry for its consistent and reliable quality.

WMA起初在印度西部的拉贾斯坦邦 (Rajasthan) 运作。拉贾斯坦邦拥有丰富的长石和粘土矿藏。WMA印度不仅是一位有影响力的矿工，而且还是白色非金属矿石 (包括长石、石英和粘土) 的加工者。根据目前我们每年的矿石使用量来计算，我们拥有的矿藏还可以使用99年，这就为长期交付的质量稳定、可靠的产品提供了保证。

Pure
Solutions

Mining | 矿业

WMA India has several mining areas in the pegmatite rich belt of Rajasthan in India. After a meticulous research and study by our team of geologists, these mining areas have been chosen for their long-term consistency and raw material security.

Our efforts and energies are directed towards ensuring that uncontaminated and good quality ore leaves our mines. Mining processes are carried out using modern mechanised systems that enable efficient segregation of ores into different grades.

WMA在印度拉贾斯坦邦丰富的储藏带内拥有多个矿区。我们的地质学者专家队在仔细研究之后选择了这些地区。WMA使用现代化设备把矿石有效地分为不同的等级。

Processing | 加工

We employ some of the most advanced techniques for our mineral processing activities. Our machines are lined with special silex media to eliminate iron contamination. The machines are powered with high capacity rare earth magnetic separation system to ensure that our products meet international standards of quality in white mineral grinding.

A stringent and consistent process control is implemented through all stages of processing, to ensure that the product is of high quality. Our flexible and advanced grinding techniques enable us to supply minerals in varying sizes:

- 80 Mesh to 325 Mesh in powder 粉末的筛目为 80-325
- 0 mm to 15 mm in grains 颗粒为 0-15 mm

Some of the equipment & machinery used for processing are: | 所用的设备和机器：

- 9 open circuit continuous flow ball mills 9 台开放式电路连续流动球磨机
- 2 Grain Plants 2 台谷物设备
- 1 Chips making Unit; 90,000 tonne per year processing capacity
1 台片生产设备；加工能力为 90,000 吨/年

WMA在矿石加工过程中采用先进的工艺。我们的机器能够除去特殊硅石介质的铁杂质。我们还使用大容量的稀有土磁分离系统来保证矿石碾磨的最佳标准。



Pure
Quality

Pure Accuracy

Products | 产品

Feldspar | 长石

Feldspar is primarily used in industrial applications for its alumina and alkali content. WMA India exports Feldspar (Sodium & Potassium) under its brand name, INDOSPAR™.

INDOSPAR™ is widely recognized for its superior chemical properties, whiteness, negligible iron content, and unparalleled quality consistency.

- Mesh Size: 100 to 500 筛目：100 - 500
- Form: Grains and Lumps 形状：粒状和块状。

Customised feldspar is also made as per industry specifications.

WMA印度出口具有自主品牌（INDOSPAR™）的长石（钠和钾）。它以其优异的化学性能和极好的坚硬度而为整个行业所周知。

还可以根据行业规范来加工定制的长石。

Quartz/Silica | 石英/硅石

Widely applied across several industries, quartz is used in glazes, ceramic colours, fibre glass, compound-engineered stone, etc. WMA India exports quartz/silica under its brand name, INDOSIL™. It is known for its high silica purity, minimal iron content and whiteness.

- Mesh Size: 100 to 500 筛目：100 - 500
- Form: Lumps and Fine Powder 形状：块状和细粉末状。

All possible fractions and particle-size distributions are prepared in accordance with customer specifications.

WMA印度出口具有自主品牌（INDOSIL™）的石英/硅土。它以硅石的高纯度、最低的含铁量和洁白度而为整个行业所周知。



Research & Development | 研究和开发

We strongly believe in delivering the finest to satisfy our customers' needs. With some of the most advanced machinery and quality testing equipment, WMA strictly adheres to high quality product output.

Our R&D Wing and Technical Team boasts a team of specialists from the industry, who carefully guide research activities and enable consistent improvement in technology application. WMA is widely reckoned as an industry leader in terms of quality and product mix.

Latest testing equipment used for R&D | 最新用于研发的测试设备有

- | | |
|----------------------------|--------|
| ● Spectrophotometer | 分光光度计 |
| ● Particle Size Analyzers | 粒度分析器 |
| ● High Temperature Furnace | 高温熔炉 |
| ● Reflectance Analyzer | 反射率分析仪 |
| ● Sieve Shakers | 摇筛机 |
| ● Pot Mill | 罐磨机 |

WMA拥有能够指导研发活动和对工作进行持续改进的专业的研发部门和技术团队

Pure Consistency

Application Industries | 应用的行业

WMA India has been catering to the diverse needs of several organisations operating in the following user industries:

- Feldspar | 长石**
Ceramics • 制陶业
Enamel Frits & Glazes • 瓷釉和釉料
Insulators • 绝缘体
Glass • 玻璃
Mild Abrasives • 柔和磨料
Picture Tubes • 显像管
Sanitary Ware • 卫生器具
Special Polymers • 特种聚合体
Tableware • 餐具
Vitrified Tiles • 玻璃瓦
Welding Electrodes • 焊条

- Quartz/Silica | 石英/硅石**
Agglomerated Marble • 人造大理石
Ceramics • 制陶业
Enamel Frits & Glazes • 搪瓷熔块和釉料
Fibre Glass • 玻璃纤维
Foundry Chemicals • 铸造化学制品
Glass • 玻璃
Optical Lenses • 光学透镜
Paints • 油漆
Refractories • 折射透镜
Silica Gel • 硅胶
Silicon Wafers • 硅片

Pure Assurance



Packing | 定制包装解决方案

WMA India provides flexible, easy and customised packaging solutions to its customers. We understand the importance of packing your product in a safe, risk-free and reliable manner. We have incorporated the following packaging options in our production activity to meet our customers' specific requirements:

- Bulk Loose | 散装
- 25 kgs/ 40 kgs/ 50 kgs HDPE Bags | 25公斤/40公斤/50公斤的高密度聚乙烯袋子
- Flexible Intermediate Bulk Containers (Jumbo Bags): 1 MT to 1.2 MT
柔性集装器 (大包装袋) : 1公吨 1.2公吨
- Palletisation and Fumigation | 托盘和熏蒸
- Moisture-proof Export Packing | 防潮出口商品包装

Logistics | 物流

Great care is taken to ensure hassle-free delivery of the product to our customers in a safe manner. Logistic solutions are integral to WMA's operational functions. Our team of logistics experts continually work on devising specialised solutions for our clients.

WMA is the first to introduce an 'Online Order Tracking' facility, which is not only convenient for our customers, but also provides them with a much-needed assurance of their orders. With this online tracking facility, our customers are able to check their order status on a daily basis by simply logging on to our website. This facility enables our customers to maintain efficient inventory levels. WMA maintains its delivery stock in a leased private warehouse at Mundra Port, Gujarat to provide for quick delivery.

WMA印度第一个在其官方网站上引进“在线订单跟踪”工具，以方便进行订单跟踪和存货管理。它还在古吉拉特邦 (Gujarat) 的Mundra 港用租用来的私人仓库存放货物，以方便交货。

Data Sheet

WMA INDIA												
CHEMICAL PROPERTIES (% OXIDES)											Physical Properties	
PRODUCT	GRADE	SiO ₂	Al ₂ O ₃	K ₂ O	Na ₂ O	Fe ₂ O ₃	MgO	CaO	TiO ₂	LOI	Firing Result (1175°C-1225°C)	Visual Appearance
POTASSIUM FELDSPAR 钾长石												
INDOSPAR™	K-01	66% (±1%)	18% (±0.5%)	12% (±1.0%)	2% (±0.5%)	0.03% (±0.01%)	NIL	NIL	NIL	0.10%	Milky White	White to Pink
INDOSPAR™	K-02	68% (±1%)	17% (±0.5%)	10% (±1%)	3% (±1%)	0.06% (±0.02%)	NIL	NIL	NIL	0.20%	White	White to Pink
SODIUM FELDSPAR 钠长石												
INDOSPAR™	N-01	68% (±1%)	18% (±1%)	0.50% (±0.5%)	10% (±1%)	0.10% (±0.03%)	0.10% (±0.1%)	0.05% (±0.05%)	NIL	0.10%	Milky White	White to Cream
INDOSPAR™	N-02	72% (±2%)	17% (±1%)	2% (±1%)	9% (±1%)	0.15% (±0.05%)	0.20% (±0.1%)	0.20% (±0.1%)	NIL	0.20%	White	White to Cream
QUARTZ 石英												
INDOSIL™	Q-01	99.50% (±0.2%)	0.20% (±0.1%)	0.001% (±0.05%)	0.001% (±0.05%)	0.01% (±0.005%)	NIL	NIL	0.00%	NIL	Super White	Pure White
INDOSIL™	Q-02	99% (±0.25%)	0.40% (±0.2%)	0.10% (±0.05%)	0.10% (±0.05%)	0.040% (±0.01%)	NIL	NIL	0.00%	0.10%	Super White	Pure White

The information given above is based on mean values. The typical properties and chemical analyses are intended as substitutes for actual testing and analysis in those situations where properties and chemical compositions are critical factors. Sales and supplies will always be according to our general sales conditions.



WMA INDIA

我们的采矿和加工设备



大量矿藏



大量的矿石库存



测试实验室



办公室。



加工工厂



用于交付的库存的装载



仓库里的成品



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