



**MAGMA**  
M a ' d a n A r y a



# Magma Mine Company

**Since 2001, Magma Mine Company, utilizing experienced and skilled personnel, as well as owning and managing several mines of Aluminum Bauxite and Refractory clay in Iran, has been providing its services in production, processing, and supply of various types of minerals, for industrial firms in the forms aggregates, lumps or granulates.**

**Our activities in production and trade of minerals have made us active members of Iran-Oman, Iraq, Australia, France, and China Chambers of Commerce. Through all these years, we have been cooperating with our partners and expanding our business in different countries and this has put us amongst the top mining companies in the region.**

**We are interested in and open to negotiations regarding the supply and trading of minerals from Iran.**

# Aluminum Bauxite

Code: **Magma 103A**

Various grades of Bauxite and refractory clay are available, with > 32%  $Al_2O_3$  content, which are suitable for refractory industries, and alumina products, as raw material. These minerals are provided and supplied in different sizes.

Code: Magma 103 A



*Geochemical Specifications (XRF Analysis)*

Component	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe total	FeO	Fe <sub>2</sub> O <sub>3</sub>	MnO	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	SO <sub>3</sub>	L.O.I
Result (%)	26.84	40.26	-	-	18	0.05	1.91	1.95	1.70	0.47	0.25	0.007	<0.1	8.46

*Lithological Specifications*

<b>Lithology</b>	<i>Meta-laterite</i>
<b>Metamorphic Degree</b>	<i>Medium</i>
<b>Age</b>	<i>Permian</i>
<b>Color</b>	<i>Brown to Reddish brown</i>
<b>Type of Metamorphism</b>	<i>Regional</i>
<b>Protolith</b>	<i>Laterite</i>
<b>Density</b>	3.6 g/cm <sup>3</sup>

Code: Magma 105



## Code: Magma 105

### *Geochemical Specifications (XRF Analysis)*

Component	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe total	FeO	Fe <sub>2</sub> O <sub>3</sub>	MnO	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	SO <sub>3</sub>	L.O.I
Result (%)	10.62	55.58	14.23	0.87	19.37	0.035	1.04	0.46	<0.1	0.18	0.03	0.19	<0.1	11.51

### *Lithological Specifications*

<b>Lithology</b>	<i>Bauxite</i>
<b>Metamorphic Degree</b>	...
<b>Age</b>	<i>Creataceos</i>
<b>Color</b>	<i>Brown to Reddish brown</i>
<b>Type of Metamorphism</b>	<i>Unmetamorphed</i>
<b>Protolith</b>	<i>Alocton Bauxite</i>
<b>Density</b>	3.2 g/cm <sup>3</sup>

# Refractory Clay

Various sizes of Refractory Clay are available, which is suitable for metallurgical, glassmaking, and ceramics industries.

Code: **Magma 103B**

## *Geochemical Specifications (XRF Analysis)*

Component	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe total	FeO	Fe <sub>2</sub> O <sub>3</sub>	MnO	TiO <sub>2</sub>	CaO	MgO	Na <sub>2</sub> O	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	SO <sub>3</sub>	L.O.I
Result (%)	<44.5	>36	-	-	<2	-	<2	<0.25	0.6	<0.23	<0.23	-	-	13-14

Code: **Magma 103 B**





Code: **Magma 103 B**



*6-12 mm*



*3-6 mm*



*0-3 mm*

No.11, 4 th Floor, Shervin Office  
Bulding,Sattar Khan Blvd,Shiraz,  
Iran. Postal Code: 7184734798  
Tell:+ 9 8 (7 1) 3 6 4 9 0 1 3 1  
Fax: + 9 8 (71) 3 6 4 9 1 3 2 4  
[www.m a g m a m i n e . c o m](http://www.magmamine.com)  
[Email:trade@magmamine.com](mailto:trade@magmamine.com)  
[trademagmamine@gmail . com](mailto:trademagmamine@gmail.com)