

**IRANIAN ROCK PHOSPHATE PECIFICATION:**

Element		% Wt		
P <sub>2</sub> O <sub>5</sub>		37±1		
Fe <sub>2</sub> O <sub>3</sub>		3.5±1		
CaO		50±1		
SiO <sub>2</sub>		3.5±1		
MgO		1±0.5		
Al <sub>2</sub> O <sub>3</sub>		0.25		
Na <sub>2</sub> O		0.26		
K <sub>2</sub> O		0.04		
SO <sub>3</sub>		0.05		
CO <sub>2</sub>		1±0.5		
F		2±1		
Cl		0.18±0.03		
Cd		10±5 ppm		
Screen Analysis				
Size		%W	% CUM	
Mesh - ASTM	Micron		Over	Under
+70	+210	0.0	-	-
-70 +100	-210 +149	0.4	0.4	-
-100 +150	-149 +100	3.0	3.4	99.6
-150 +200	-100 +74	7.0	10.4	96.6
-200 +270	-74 +53	10.1	20.5	89.6
-270 +400	-53 +37	20.2	40.7	79.5
-400	-37	59.3	-	59.3
Total	-	100.0	D80=54.0 micron	

element	% Wt
P <sub>2</sub> O <sub>5</sub>	34 ± 1
Fe <sub>2</sub> O <sub>3</sub>	5.5 ± 1
CaO	45 ± 2
SiO <sub>2</sub>	5.5 ± 1
MgO	1.8 ± 0.3
Al <sub>2</sub> O <sub>3</sub>	0.31
Na <sub>2</sub> O	0.22
K <sub>2</sub> O	0.058
SO <sub>3</sub>	0.23
Cl	0.18
C	0.30
Cd	0.0005

Screen Analysis				
Size		%W	% CUM	
Mesh - ASTM	Micron		Over	Under
+70	+210	0.0	-	-
-70 +100	-210 +149	0.7	0.7	-
-100 +150	-149 +100	2.7	3.4	99.3
-150 +200	-100 +74	10.3	13.7	96.6
-200 +270	-74 +53	11.7	25.4	86.3
-270 +400	-53 +37	23.8	49.2	74.6
-400	-37	50.8	-	50.8
Total	-	100.0	D80=62.7 micron	

**\* The above is based on oven dried sample (105°C)**

**\*\* % Moisture = 8-9**

Packing: 1 ton jumbo bag

Shipment: by container

First delivery: 2,000 ton for trial and then increase as buyer need