



Universal Minerals, Inc.

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PRODUCT DATA SHEET

UMI 7 Grade Magnetite

Chemistry(Dry Basis)	Typical %		
Fe	67	Moisture(natural)	4.9%
S	0.315	Specific Gravity	4.85
Cu	0.019	+ "	0.0%
SiO ₂	3.03	-1/4" + 10M	0.3%
Al ₂ O ₃	0.62	-10M + 20M	4.2%
P	0.020	-20M + 65M	40.3%
CaO	0.57	-65M + 100M	14.3%
MgO	1.07	- 100M	40.9%
Na ₂ O	0.132		
K ₂ O	0.143		
FeO	26.63		
As	Traces		
Mn	0.019		

UMI 70 Grade Magnetite

Chemistry(Dry Basis)	Typical %		
Fe	70.00	Moisture	8.0%
S	0.172	Davis Tube Magnetics	97%
Cu	0.006	Specific Gravity	5.07
SiO ₂	1.22	-325 Mesh	70%
Al ₂ O ₃	0.25	-200M + 325M	19%
P	0.010	-100M + 200M	2.3%
CaO	0.29	+ 65M	0.4%
MgO	0.52		
Na ₂ O	0.026		
K ₂ O	0.029		
FeO	28.50		
As	-		
Zn	0.02		
Pb	Traces		
V ₂ O ₅	0.04		
Mn	0.016		

UMI 90 Grade Magnetite

Chemistry(Dry Basis)	Percent(Typical)		
Fe	68.2%	Moisture	9%
SiO ₂	2.26%	Davis Tube Magnetics	97%
MgO	0.42%	Specific Gravity	5.0
CaO	0.61%	-325 Mesh(44 microns)	90%
Al ₂ O ₃	0.87%	-400 Mesh	86%
S	0.29%	-10 microns	21%