

TABLE 4: MAGNETIC SEPARATION IN ERIEZ WET DRUM SEPARATOR

Product	Weight %	Assay, %		Distribution, %	
		CaF ₂	Fe	CaF ₂	Fe
Magnetic	45.3	11.7	28.6	33.6	74.6
Non-magnetic	54.7	19.2	8.1	66.4	25.4
Head	100.0	15.8	17.4	100.0	100.0

TABLE 5: FLOTATION TEST NO. 1
Grinding time: 10 min
Sample: Moins fluorite

Reagents				Flotation			
Name	Addition kg/t	Point of Addition	Conditioning Time min	Stage	Time min	Temp °C	pH
NR Sodium silicate	2.1	Cell	10	Magnetic separation			
Collector*	0.11	Cell	1	Conditioning	-	40	9.7
Collector	0.11	Cell	1	Rougher 1	2	40	
Collector	0.11	Cell	1	Rougher 2	2	40	
Collector	0.11	Cell	1	Rougher 3	2	40	
Teric 400 (frother) used as required							

Product	Weight %	Assay, %		Distribution, %	
		CaF ₂	Fe	CaF ₂	Fe
Rougher 1	10.1	61.7	4.05	39.5	2.4
Rougher 2	5.3	36.2	6.85	12.2	2.1
Rougher 3	3.9	20.1	8.65	5.0	1.9
Magnetic product	45.3	11.7	28.6	33.6	74.6
Flotation tailing	35.4	4.3	9.3	9.7	19.0
Head (calc.)	100.0	15.8	17.4	100.0	100.0

*Oleic acid 75%, Akypomine AT 25%.