

TO: Matilda Minerals	DATE: 09/08/06
FROM: DIAMANTINA LABORATORIES	JOB:MMD2989

Bulk Number	GW8800A	GW8800B	GE9900	RP5300	LBS-C1	LBS-B1
Initial Weight (g)	3.645	10.695	7.155	8.537	1.74	2.091
>0.4mm						
HS	0.03	0.05	0.07	0.08	0.06	0.05
1st Mag	2.47	2.15	2.65	1.05	1.72	0.96
2ND Mag	34.29	16.36	21.8	15.81	39.63	37.78
Non Mag	61.32	80.44	72.15	82	51.69	54.9
Non Mags Qtz	1.89	1	3.33	1.05	6.89	6.31
Total Weight %	100	100	100	99.99	99.99	100

NON MAGNETIC	GW8800A	GW8800B	GE9900	RP5300	LBS-C1	LBS-B1
Zircon Product	68.9	75.6	79	80.3	61.1	59.1
Zircon	68.9	75.6	79	80.3	61.1	59.1
Rutile Product	30.9	22.4	20.6	18.6	36.2	34.6
Rutile	26.3	20.4	15.3	16.5	25.3	23.3
Anatase	1.7	1.1	0.6	0.6	5.7	3.2
Leucoxene	2.9	0.9	4.1	1.5	5.2	8.1
Pseudo Rutile			0.6			
Altered Ilmenite						
Others	0.2	2	0.4	1.1	2.7	6.3
Monazite						
Pyroxene						
Tourmaline						
Topaz						
Kyanite	0.2	1.5	0.2	0.7	0.8	2
Andalusite		0.2	0.2		1.9	3.2
Sillimanite						
Spinel						
Epidote						
Garnet						
Goethite						0.3
Corundum		0.3				0.6
Cassiterite						
Quartz						0.2
Others				0.4		
Aggregates						
Total	100	100	100	100	100	100

MAGNETIC	GW8800A	GW8800B	GE9900	RP5300	LBS-C1	LBS-B1
Ilmenite Product	86.6	83.2	83.4	62.3	79.8	83.3
Ilmenite						
Alt. Ilmenite	4.1	2.6	5.3	1.2	1.8	0.3
Pseudo Rutile	82.5	80	76.7	60	77.3	82.7
Leucoxene		0.3	1.1	1.1	0.7	0.3
Anatase						
Rutile		0.3	0.3			
Others	13.4	16.8	16.6	37.6	20.2	16.6
Chromite				0.4		0.4
Goethite	4	0.7	2	4.5	6.7	3
Hematite	0.8					
Ilmenite/Hematite						
Zircon	7.1	13.7	11	27.8	11.4	11.5
Other	1.5	2.4	3.3	3.7	2.1	1.7
Aggregates			0.3	1.2		
Total	100	100	100	99.9	100	99.9

PARAMAGNETIC	GW8800A	GW8800B	GE9900	RP5300	LBS-C1	LBS-B1
Ilmenite Product	37.5	25.9	42.3	15.2	30.4	34.2
Ilmenite					0.4	
Altered ilmenite						
Pseudo Rutile	37.5	25.9	42.3	15.2	30	34.2
Leucoxene	30.7	26.4	23.5	43.5	40.7	30.7
Leucoxene	30.7	26.4	23.5	43.5	40.7	30.7
Rutile Product	9.3	21.5	9.4	14.3	6.5	14.9
Anatase	3.9	1.9	0.9	1.7	2.9	7.1
Rutile	5.4	19.6	8.5	12.6	3.6	7.8
Zircon Product	1.2	13.4	6.3	15.6	3.2	2
Zircon	1.2	13.4	6.3	15.6	3.2	2
Others	21.3	12.8	18.4	11.4	19.2	18.2
Chromite	1.7	0.4	0.4		0.4	0.9
Goethite	3.4	0.7	3	0.5	0.3	0.3
Monazite						
Tourmaline	14.4	7	11.9	8	15.4	14.7
Topaz						
Staurolite	0.9	3.1	2.2	2.2	2.5	2
Kyanite	0.6	0.3	0.3		0.3	
Andaluzite		0.2		0.2	0.3	0.3
Sillimanite						
Spinel						
Garnet						
corundum	0.3			0.3		
Cassiterite			0.6			
Quartz		0.3				
Others		0.8		0.2		
Aggregates						
Total	100	100	99.9	100	100	100

Bulk Number	GW8800A	GW8800B	GE9900	RP5300	LBS-C1	LBS-B1
HS Ilmenite	0.0	0.1	0.1	0.1	0.1	0.1
Ilmenite Mag 1	2.1	1.8	2.2	0.6	1.4	0.8
Ilmenite Mag 2	12.9	4.2	9.2	2.4	12.0	12.9
Mag Leucoxene	10.5	4.3	5.1	6.9	16.1	11.6
Rutile	18.0	19.6	12.9	15.4	14.5	15.7
Non Mag Leucoxene	4.2	1.9	3.6	2.0	6.8	8.9
Zircon	42.8	63.3	58.7	68.6	33.0	33.3
Total VHM	90.5	95.2	91.8	96.0	83.9	83.3
Non Mag Oth	2.0	2.6	3.6	2.0	8.3	9.8
Topaz (3.5)	0.0	0.0	0.0	0.0	0.0	0.0
Kyanite (3.4)	0.1	1.2	0.1	0.5	0.4	1.1
Andalusite (3.2)	0.0	0.2	0.1	0.0	1.0	1.8
Sillimanite (3.2)	0.0	0.0	0.0	0.0	0.0	0.0
Quartz (2.65)	1.9	1.0	3.3	1.1	6.9	6.4
NM Gangue (3.5)	0.0	0.2	0.0	0.4	0.0	0.3
Mag Oth	7.5	2.1	4.5	2.0	7.8	6.9
Monazite (5.0)	0.0	0.0	0.0	0.0	0.0	0.0
Chromite (5.0)	0.6	0.1	0.1	0.0	0.2	0.3
Spinel (4.0)	0.0	0.0	0.0	0.2	0.0	0.0
Goethite (4.0)	1.3	0.1	0.7	0.1	0.2	0.1
Staurolite (3.8)	0.3	0.5	0.5	0.3	1.0	0.8
Tourmaline (3.2)	4.9	1.1	2.6	1.3	6.1	5.6
Aggregates (3.3)	0.0	0.0	0.0	0.0	0.0	0.0
Mag Gangue (3.5)	0.4	0.3	0.3	0.1	0.3	0.1
>0.4mm Aggregates	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total	100.0	99.9	99.9	100.0	100.0	100.0