

<b>TO: MATILDA MINERALS NL</b>	<b>DATE: 11/10/06</b>
<b>FROM: DIAMANTINA LABORATORIES</b>	<b>JOB: MMD3032</b>

Bulk Number	Comp 1	Comp 2
Initial Weight (g)	42.94	28.26
>0.4mm	0.23	0.39
HS	0.02	0.03
1st Mag	0.91	1.24
2ND Mag	25.97	29.55
Non Mag	71.87	67.9
Non Mags Qtz	1	0.89
Total Weight %	100	100

Comp 1 Lethbridge South  
14018-14026 + 14055-14060 (about 53

Comp 2 Lethbridge South  
14027-14036 + 14051-14054 (about 39

NON MAGNETIC	Comp(01)	Comp(02)
Zircon Product	61.2	51.2
Zircon	61.2	51.2
Rutile Product	32.6	43.3
Rutile	23.8	27.9
Anatase	2.2	1.7
Leucoxene	6.6	13.7
Pseudo Rutile		
Altered Ilmenite		
Others	6.2	5.4
Monazite		
Pirabole		
Tourmaline	0.5	0.3
Topaz		
Kyanite	3	2
Andalusite	1.9	2.3
Sillimanite		
Garnet		0.2
Epidote		
Corundum	0.6	0.2
Goethite		
Titanite		
Cassiterite		0.3
Quartz	0.1	0.1
Others	0.1	
Aggregates		
Total	100	99.9

MAGNETIC	Comp(01)	Comp(02)
Ilmenite Product	66	72
Ilmenite		1.1
Alt. Ilmenite	62.2	5.5
Pseudo Rutile	2.4	64.6
Leucoxene	0.6	0.8
Anatase	0.2	
Rutile	0.6	
Others	34	28
Pirabole		
Goethite	0.7	3.4
Hematite	3.1	
Garnet	0.3	0.2
Zircon	26.7	19.5
Other	3.2	4.9
Aggregates		
Total	100	100

PARAMAGNETIC	Comp(01)	Comp(02)
Ilmenite Product	26.3	34
Ilmenite		
Altered Ilmenite	0.5	
Pseudo Rutile	25.8	34
Leucoxene	38.8	34.4
Leucoxene	38.8	34.4
Rutile Product	9.1	9.7
Anatase	1.5	2
Rutile	7.6	7.7
Zircon Product	5.9	2.7
Zircon	5.9	2.7
Others	19.9	19.1
Pirabole		
Goethite	1.2	3.9
Monazite		0.2
Tourmaline	14.2	11.6
Titanite		
Staurolite	2.9	2.2
Kyanite	0.3	0.5
Andaluzite	0.1	0.1
Sillimanite		
Garnet		
Chromite	1.2	
Hematite		0.5
Cassiterite		
Quartz		
Others		0.1
Aggregates		
Total	100	99.9

Bulk Number	Comp 1	Comp 2
HS Ilmenite	0.0	0.0
Ilmenite Mag 1	0.6	0.9
Ilmenite Mag 2	6.8	10.0
Mag Leucoxene	10.1	10.2
Rutile	19.1	21.2
Non Mag Leucoxene	6.7	11.0
Zircon	45.8	35.8
Total VHM	89.1	89.1

Non Mag Oth	5.5	4.5
Topaz (3.5)	0.0	0.0
Kyanite (3.4)	2.2	1.4
Andalusite (3.2)	1.4	1.6
Sillimanite (3.2)	0.0	0.0
Quartz (2.65)	1.1	1.0
NM Gangue (3.5)	0.9	0.5
Mag Oth	5.2	6.0
Monazite (5.0)	0.0	0.1
Pirabole(3.3)	0.0	0.0
Garnet (4.0)	0.0	0.1
Goethite (4.0)	0.3	1.2
Staurolite (3.8)	0.8	0.7
Tourmaline (3.2)	3.7	3.4
Aggregates (3.3)	0.0	0.0
Mag Gangue (3.5)	0.5	0.3
>0.4mm Aggregates	0.2	0.4
Grand Total	100.0	100.0