

**HEAVY MINERAL DATA**

Sample No:

**B3**

Job No: **JIS 643**

Date Started: 10-3-09

**Processing Weights**

Initial: 0.004 kg  
 +2mm: kg  
 After Tabling: kg  
 After TBE: g

**Positive (Economic Minerals)**

**Negative**

**Positive (Other)**

Ø/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	<0.3	Fractions Analysed(x)	Observed only(o)	Scanned only(s)					
Crush								Ø/mm	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1
Table								ALL	s	s	s	s	s	s	s
HL								M4							
Mag								M3							

**Economic Minerals Vol% of Concentrate**

Sieve Size/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1	Vol %	Wear/km
Magnetite							X	X	35%	FW-W
Zircon							X	X	25%	F-W
Ilmenite						X	X	X	30%	FW-W
Rutile							X	X	5%	FW-W
Monazite								X	<1%	W
Leucoxene						X	X	X	<1%	W
Tourmaline						X	X	X	<1%	FW-W
Garnet								X	<1%	F-FW

**Detailed Descriptions**

Mineral	Size/mm	Grade	Description
Cassiterite			Did not detect in Zn block test.
Grain Size			<150 micron average

**Other Minerals (Volume% after Heavy Liquid-HL)**

Almandine	F	Orthopyroxene		Spinel		Apatite	
Andradite		Clinopyroxene	T	Magnetite	A	Monazite	T
Grossular		Amphibole		Leucoxene	O	Phosphate	
Spessartine		Biotite		Chromite	T		
		Prehnite		Limonite		Rock Fragments	
Andalusite		Corundum		Pyrite(psuedo)			
Kyanite		Hematite		Pyrite		Zircon	A
Sillimanite		Ilmenite	A	Barite		Titanite	
Staurolite		Rutile	S	Anhydrite			
Epidote	F	Anatase	T				
Tourmaline	O	Brookite		Magnesite			

P >50%    A 20-50%    C 10-20%    S 1-10%    O 20grains-1%    F 5-20grains    T 1-5grains

Mineralogist/Observer: LHS

Date Completed: 12-3-09

	<p><b>Independent Diamond Laboratories Pty Ltd</b></p> <p>ABN 34 005 948 185</p>	<p>39372</p>
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