

HEAVY MINERAL DATA

Sample No:

B2

Job No: **643**

Date Started:	10-3-09
Processing Weights	
Initial:	0.005 kg
+2mm:	kg
After Tabling:	kg
After TBE:	<1 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	x	x	x	x	x	x	x	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
Tourmaline						X	X		5%	FW-W
Magnetite							X	X	40%	FW-W
Ilmenite							X	X	35%	FW-W
Rutile							X	X	65%	FW-W
Zircon							X	X	10%	VF-W
Monazite							X	X	<1%	FW-W
Leucosene						X	X	X	<1%	FW
Garnet							X	X	<1%	VF-FW

Detailed Descriptions

Mineral	Size/mm	Grade	Description
Cassiterite			Did not detect in Zn block test.
Grain size			100-200 micron average.

Other Minerals (Volume% after Heavy Liquid-HL)

Almandine	F	Orthopyroxene	T	Spinel		Apatite	
Andradite		Clinopyroxene		Magnetite	A	Monazite	<1
Grossular		Amphibole	T	Leucosene	O	Phosphate	
Spessartine		Biotite		Chromite	T		
		Prehnite		Limonite		Rock Fragments	T
Andalusite		Corundum		Pyrite(psuedo)			
Kyanite		Hematite		Pyrite		Zircon	F-FW C
Sillimanite		Ilmenite	A	Barite		Titanite	
Staurolite		Rutile	FW-W C	Anhydrite			
Epidote	T	Anatase	T				
Tourmaline	S	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: 12-03-09

	<p>Independent Diamond Laboratories Pty Ltd</p>
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