



DIATECH
HEAVY MINERAL SERVICES

Ph 61 8 9361 2596

Fx 61 8 9470 1504

Detailed Heavy Mineral Analysis

Our Job No.: 15001

Disc No.:

Sample No:

MW-KIMB-01

Overall Sample Assessment

Negative

Your Project Code:

Sample Type (as collected): Stream Sediment

Head Weight 2.479 kg

Sample Type (as received): DMS Concentrate

Wet Weight kg

Observed Sample Type: MI Concentrate

Diamond

mm	Number of particles in each size fraction							Total particles	Description of these particles
	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20		

Key Minerals

mm	Number of particles in each size fraction							Assessment	Wear	Total particles	No of particles probed
	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20				

Other Minerals

mm	% Percentage of particles in each size fraction							Wear	Colour	Angularity	Lustre	Transparency	Form/Shape
	+2.0	+1.2	+0.8	+0.4	+0.3	+0.25	+0.20						

Amandine			Tr	Tr	Tr				MA	pale pink	subangular	frosted to glassy	transparent	irregular, diagenetically etched
Anatase					Tr				MA	pale grey-blue	subangular	greasy	translucent	rare tabular crystals
Fe Oxide/Hydroxide		100	100	100	80					brown		polished	opaque	
Gahnite					Tr				HA	aqua green	rounded	glassy	transparent	rare, irregular
Ilmenite				Tr	20				MA	silvery black	subrounded to subangular	semi-metallic	opaque	irregular to subhedral
Leucoxene					Tr				MA	grey, cream, pale brown	rounded	polished	opaque	after ilmenite
Orthopyroxene					Tr				LA	pale brown	subangular	frosted	transparent	irregular to short jagged laths
Phosphate					Tr				HA	white, cream	rounded	polished	opaque	
Rutile					Tr				MA	black, silvery black, reddish tints	subrounded	semi-metallic	translucent	blocky
Zircon					Tr				HA	colourless, irregularly stained	subrounded to rounded	glassy	transparent	subhedral
TOTAL	%	100%	100%	100%	100%	%	%	%						

What Has Been Observed?

Final Conc Weight 2.89 g | Size Range -2+0.3 mm

Weight Observed 2.89 g

Technician: LF

Date Observed: 12-Feb-15

Report Printed: 4/03/2015 3:05:10 PM

Magnetic Fractions vs Size Fraction

NotMag	All	All	All	All			
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