

LABORATORY SCHEDULE

Client Ref : N/A
Our Ref No. : 0115JD
Commodity : Zn CONCENTRATE
Packing : In plastic packet
Sampling details : Grab sample handed to us
Date received : 31 August 2020

08 September 2020

SAMPLE :			Zn CONCENTRATE	
DESCRIPTION :			Brown powder	
MASS OF SAMPLE RECD :			approx 300g	
MARKS :			083120/18	
LAB NO. :			735252	
Analyte			Result	Method
On sample as received :				
loss on drying at 105°C	H ₂ O	%	1.51	temperature controlled oven until constant mass
On dry basis :				
silicon, as	SiO ₂	%	17.7	ICP-OES / ICP-MS
aluminium, as	Al ₂ O ₃	%	1.02	ICP-OES / ICP-MS
calcium, as	CaO	%	1.33	ICP-OES / ICP-MS
magnesium, as	MgO	%	0.240	ICP-OES / ICP-MS
manganese, as	MnO	%	1.83	ICP-OES / ICP-MS
total iron, as	Fe ₂ O ₃	%	0.870	ICP-OES / ICP-MS
titanium, as	TiO ₂	%	0.055	ICP-OES / ICP-MS
potassium, as	K ₂ O	%	0.055	ICP-OES / ICP-MS
phosphorous	P	%	0.065	ICP-OES / ICP-MS
barium	Ba	%	0.008	ICP-OES / ICP-MS
cadmium	Cd	%	0.008	ICP-OES / ICP-MS
chromium	Cr	%	0.003	ICP-OES / ICP-MS
cobalt	Co	%	0.002	ICP-OES / ICP-MS
copper	Cu	%	0.004	ICP-OES / ICP-MS
nickel	Ni	%	0.008	ICP-OES / ICP-MS
lead	Pb	%	0.115	ICP-OES / ICP-MS
strontium	Sr	%	0.001	ICP-OES / ICP-MS
vanadium	V	%	0.012	ICP-OES / ICP-MS
zinc	Zn	%	46.9	ICP-OES / ICP-MS
silver	Ag	ppm	<50	ICP-OES / ICP-MS
sulphur	S	%	0.22	ICP-OES / ICP-MS
loss on ignition	LOI	%	16.7	LECO analyser
				Combustion @ 1000°C
% = percent; ppm = parts per million, mg/kg or g/t; ND = not determined This analysis was carried out on a sample submitted to us. Details of the consignment to which it relates are not known. INDICATIVE RESULTS ONLY. Not recommended for commercial purposes.				

For and on behalf of Verimet Inspection Services Africa (Pty) Ltd

Verimet
Inspection Services Africa (Pty) Ltd
2015/175812/07

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All work is carried out in accordance with our standard conditions of business, which are available on request