

CERTIFICATE OF ANALYSIS

Client Name	Lyttelton Dolomite (Pty) Limited
Client Address	PO Box 14014, Lyttelton, Pretoria, 0140
Product	Dolomitic Agricultural Lime
Sample Origin	N/A

Sampling Method	Supplied	Sample Number	1
Date Sampled	-	Time Sampled	-
Date Sample Received	15/10/2014	Time Sample Received	12:00
Date Tested Completed	17/10/2014	Time Tested Completed	15:00
Product name	Lime	Order Number	PO: 24327
Weather Condition	-	Customer Reference	-
Intertek Job No.	AGRI_10_14_111	-	-

TEST DESCRIPTION	METHOD	UNCERTAINTY OF MEASUREMENT	SPECIFICATION	RESULT
Moisture @105° C, % m/m	Oven	-	Report	0.12
Calcium as Ca, % m/m	INTERTEK IHM/F005	0.001	Report	19.13
Magnesium as Mg, % m/m	INTERTEK IHM/F005	0.004	Report	10.60
Manganese as Mn, %m/m	ICP – OES	-	Report	0.77
Iron as Fe, % m/m	ICP – OES	-	Report	1.15
Aluminium as Al, % m/m	ICP – OES	-	Report	0.31
Flourine as F, mg/kg	Gallery	-	Report	68
pH (H2O)	pH Meter	-	Report	8.41
pH (KCl)	pH Meter	-	Report	9.31
Density kg/L	Gravimetric	-	Report	1.61
Arsenic as As , mg/kg	ICP-OES	-	20 Max	1.3
Cadmium as Cd, mg/kg	ICP-OES	-	20 Max	<1.0
Chromium as Cr, mg/kg	ICP-OES	-	1750 Max	4.9
Copper as Cu, mg/kg	ICP-OES	-	750 Max	5.8
Mercury as Hg, mg/kg	ICP-OES	-	10 Max	<1.0
Nickel as Ni, mg/kg	ICP-OES	-	200 Max	8.9

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Intertek

Certificate N° : AGRIZAJB10001703-2

Lead as Pb, mg/kg	ICP-OES	-	400 Max	5.0
Selenium as Se, mg/kg	ICP-OES	-	15 Max	<1.0
Zinc as Zn, mg/kg	ICP-OES	-	2750 Max	5.1
CCE(HCl) as CaCO ₃ , %m/m	Titration	-	Report	85.07
LOI at 1100°C, %m/m	Muffle furnace	-	Report	40.80
Screen Analysis<1.7mm, %m/m	Wet screening	-	Report	100
Screen Analysis < 1.0mm, %m/m	Wet Screening	-	Report	100
Screen Analysis < 0.25mm, %m/m	Wet Screening	-	Report	99.75
Screen Analysis <.106mm, %m/m	Wet Screening	-	Report	99.71
Screen Analysis <0.075mm, %m/m	Wet Screening	-	Report	99.68

Key: * Accredited Test, # Subcontracted Test, ^Denotes Test Property "out of specification"



BJ HLATSHWAYO
Laboratory Technician
Date: 17/10/2014

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