



Concrete Testing Services

(Reg. No. 2016/109154/07)

(Pty) Ltd.

20 THORA CRESENT
WYNBERG
1963, KELVIN 2054
(011) 444 9280/2

www.concretetesting.co.za



FLY ASH TESTING REPORT

Client: ASH PRO LOGISTICS PTY LTD
Contract: FLY ASH COMPLIANCE TESTING
Contact: ROY

Report Date: 20/05/2024
Contract No.: B63002
CTS Ref. No.: 00042

Client Sample				
Date Received	Reference	Markings	Source	Type and Class
15/04/2024	15 APRIL 2024		GROOT VLEI	FLY ASH Category N

Mechanical Test	Unit of Measure	Test Results	SANS 50450-1 Requirement	Test Method
Activity Index 28 Day	%	89	Min. 75	SANS 50196-1
Activity Index 90 Day	%	Due 07/2024	Min. 85	SANS 50196-1
Physical Test	Unit Of Measure	Test Results	SANS 50450-1 Requirement	Test Method
Soundness	mm	Not Required	< or = 10.0	SANS 50196-3
Fineness *	% by mass	15.6	Max. 40.0	SANS 50451-2
Density *	kg/m ³	2165 kg/m ³	Max ± 200kg/m ³ of declaration	EN 1097-7(Pycnometer)

Chemical Test	Unit Of Measure	Test Results	SANS 50450-1 Requirement	Test Method
Loss Of Ignition *	%	5.7	< or = 5.0	SANS 50196-2
Sulphate Content	%	0.7	< or = 5.0	SANS 50196-2
Chloride Content	%	0.04	< or = 0.10	SANS 50196-2
FreeCaO *	%	-	Max. 3.0	SANS 50451-1

Other Tests	Unit Of Measure	

Chemical Composition **	%
SiO ₂	51.5
Al ₂ O ₃	34.2
CaO	3.8
Fe ₂ O ₃	3.4
TiO ₂	1.8
MgO	1.6
K ₂ O	0.8
Na Equivalent (Calculated)	1.2

Remarks

- * This Is Not a SANAS accredited test.
- ** This test Is outsourced.

M.F. HOVY

- All tests are performed As far As practical In accordance With the requirements Of the relevent prescribed test methods
- Unless noted otherwise the samples are received In a satisfactory condition.

- Results relate To the sample(s) tested only.
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