

CERTIFICATE OF ANALYSIS

CERTIFICATE No. 0891-19
TEST CERTIFICATE FOR: HE Portland Cement
PRODUCED AT: Sunstate Cement Ltd, Port of Brisbane
SAMPLE IDENTIFICATION: Spot Despatch Sample sample E6P-000988 sampled on 1/7/2019
SAMPLE TESTED AT: Sunstate Cement Ltd, Port of Brisbane

SPECIFIED PROPERTY	TEST METHOD	AS3972 REQUIREMENTS		RESULT
Compressive strength	AS2350.11, AS2350.12			
1 day				22.1 MPa
3 day		Minimum	25 MPa	42.8 MPa
7 day		Minimum	40 MPa	58.6 MPa
28 day				68.8 MPa
Setting time	AS2350.4			
Initial		Minimum	45 mins	105 mins
Final		Maximum	360 mins	180 mins
Soundness	AS2350.5	Maximum	5 mm	0 mm
Sulphuric anhydride (SO ₃)	In House	Maximum	3.5 %	2.9 %

REPORTABLE PROPERTY	TEST METHOD			RESULT
Loss on ignition	AS2350.2			3.0 %
Fineness	AS2350.8			415 m ² /kg
Chloride	AS3583.13			0.0105 %

OTHER PROPERTIES	TEST METHOD			RESULT
Normal Consistency	In House			29.0 %

SAMPLING PROCEDURE: Cement samples obtained according to the requirements of AS2350.1

REMARKS: The results of the above tests relate only to the sample as described above.



G Santaguiliana
Approved Signatory
3-Sep-2019

