

CERTIFICATE OF ANALYSIS

CERTIFICATE No. 12-Dec
TEST CERTIFICATE FOR: HE Portland Cement
PRODUCED AT: Sunstate Cement Ltd, Port of Brisbane
SAMPLE IDENTIFICATION: Spot Despatch Sample sample E6P-000914 sampled on 8/1/2018
SAMPLE TESTED AT: Sunstate Cement Ltd, Port of Brisbane

SPECIFIED PROPERTY	TEST METHOD	AS3972 REQUIREMENTS	RESULT
Compressive strength	AS2350.11, AS2350.12		
1 day			25.0 MPa
3 day		Minimum 25 MPa	41.6 MPa
7 day		Minimum 40 MPa	51.7 MPa
28 day			63.6 MPa
Setting time	AS2350.4		
Initial		Minimum 45 mins	105 mins
Final		Maximum 360 mins	180 mins
Soundness	AS2350.5	Maximum 5 mm	1 mm
Sulphuric anhydride (SO ₃)	In House	Maximum 3.5 %	3.0 %

REPORTABLE PROPERTY	TEST METHOD	RESULT
Loss on ignition	AS2350.2	2.7 %
Fineness	AS2350.8	395 m ² /kg
Chloride	AS3583.13	0.0108 %

OTHER PROPERTIES	TEST METHOD	RESULT
Normal Consistency	In House	29.5 %

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
9-Mar-2018

