

CERTIFICATE OF ANALYSIS

CERTIFICATE No. 2351-18

TEST CERTIFICATE FOR: HE Portland Cement

PRODUCED AT: Sunstate Cement Ltd, Port of Brisbane

SAMPLE IDENTIFICATION: Spot Despatch Sample sample E6P-000963 sampled on 17/12/2018

SAMPLE TESTED AT: Sunstate Cement Ltd, Port of Brisbane

SPECIFIED PROPERTY	TEST METHOD	AS3972 REQUIREMENTS		RESULT
Compressive strength	AS2350.11, AS2350.12			
1 day				20.3 MPa
3 day		Minimum	25 MPa	38.9 MPa
7 day		Minimum	40 MPa	50.9 MPa
28 day				62.2 MPa
Setting time	AS2350.4			
Initial		Minimum	45 mins	90 mins
Final		Maximum	360 mins	180 mins
Soundness	AS2350.5	Maximum	5 mm	1 mm
Sulphuric anhydride (SO ₃)	In House	Maximum	3.5 %	2.8 %

REPORTABLE PROPERTY	TEST METHOD			RESULT
Loss on ignition	AS2350.2			2.6 %
Fineness	AS2350.8			385 m ² /kg
Chloride	AS3583.13			0.0106 %

OTHER PROPERTIES	TEST METHOD			RESULT
Normal Consistency	In House			29.7 %

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
24-Jan-2019



NATA accredited laboratory
 Laboratory Number: 2190 / 2191
 Accredited for compliance with
 ISO/IEC 17025

The results of the tests,
 calibrations and/or measurements
 included in this document are
 traceable to Australian/national
 standards. This document shall not
 be reproduced except in full.