

Certificate Of Analysis

Certificate Number: **1232-20** Issue Number: **1** Issue Date: **12/02/2021 2:57:43 PM**
 Test Certificate for: **HE Cement**
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**
 Sample Identification: **Spot Despatch Sample E6P-001038 dated 21/12/2020**
 Sample Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**

SPECIFIC PROPERTY	TEST METHOD	AS3972 REQUIREMENTS	RESULT
Compressive strength	AS2350.11, AS2350.12		
1 Day			27.6 MPa
3 Day		Minimum 25 MPa	43.9 MPa
7 Day		Minimum 40 MPa	53.5 MPa
28 Day			66.3 MPa
Setting Time	AS2350.4		
Initial		Minimum 45 mins	90 mins
Final		Maximum 360 mins	165 mins
Soundness	AS2350.5	Maximum 5 mm	1 mm
Sulphuric anhydride (SO₃)	In House	Maximum 3.5 %	2.9 %
Chloride	AS3583.13	Maximum 0.1 %	0.010 %
REPORTABLE PROPERTY	TEST METHOD		RESULT
Loss on ignition	AS2350.2		3.1 %
Fineness	AS2350.8		415 m ² /kg
OTHER PROPERTIES	TEST METHOD		RESULT
Normal Consistency	AS2350.3		30.0 %

Sampling Procedure:

Samples were prepared in accordance with AS2350.1

Remarks:

- 1 These results only relate to the specimens identified on this report
- 2 The sample as tested conforms to the requirements of AS3972 as Type HE cement



NATA accredited
 Laboratory Number: 2191

Accredited for compliance with
 ISO/IEC 17025 Testing



George Santagiuliana
 Approved Signature

12/02/2021

This certificate replaces previous certificate number 1232-20, issue 0 dated (REASON: Test Data Updated)