

# Certificate Of Analysis

Certificate Number: **0399-24** Issue Number: **1** Issue Date: **21/10/2024 10:53:12 AM**  
 Test Certificate for: **HE Cement**  
 Sample Tested at: **Sunstate Cement Ltd., Port of Brisbane, Australia**  
 Sample Identification: **Spot Despatch Sample E6P-001059 dated 23/09/2024**  
 Sample Produced at: **Sunstate Cement Ltd., Port of Brisbane, Australia**

SPECIFIC PROPERTY	TEST METHOD	AS3972 REQUIREMENTS	RESULT
<b>Compressive strength</b>	AS2350.11, AS2350.12		
1 Day			19.6 MPa
3 Day		Minimum 25 MPa	40 MPa
7 Day		Minimum 40 MPa	50 MPa
28 Day			65.3 MPa
<b>Setting Time</b>	AS2350.4		
Initial		Minimum 45 mins	75 mins
Final		Maximum 360 mins	135 mins
<b>Soundness</b>	AS2350.5	Maximum 5 mm	0 mm
<b>Sulphuric anhydride (SO<sub>3</sub>)</b>	In House	Maximum 3.5 %	2.8 %
<b>Chloride</b>	AS3583.13	Maximum 0.1 %	0.012 %
REPORTABLE PROPERTY	TEST METHOD		RESULT
<b>Loss on ignition</b>	AS2350.2		0.7 %
<b>Fineness</b>	AS2350.8		465 m <sup>2</sup> /kg
OTHER PROPERTIES	TEST METHOD		RESULT
<b>Normal Consistency</b>	AS2350.3		30.5 %

**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  
 21/10/2024

***This certificate replaces previous certificate number 0399-24, issue 0 dated (REASON: Test Data Updated)***