



CERTIFICATE OF LOAD TEST AND EXAMINATION

Report No.: ALSS1963 **Date:** 25th January 2017

Client: SCIENTIA COFFINS &
CASKETS
A2/22 Power Road
SEVEN HILLS NSW 2147

Contact: Mr Isaac Leung **Order No.:** Refer Issac

Test Date: 25 OF January 2017

Scope: The static load testing of a constructed coffin and associated hardware.

The Client requested testing to establish a Working Load Limit of 160.5 kg's with a Safety Factor of 2:1

Test Sample Identity: RICHMOND MDF Coffin, with "ABS Plastic" handles.

Test Description: The nominated coffin and associated hardware was subjected to a static load test. A calibrated, class A, "S" type load cell(P.E 37)) was used to measure the static load which was applies using ballast. Various times as shown in test results.

Test Methodology: The nominated coffin and associated hardware was loaded with varying amounts of ballast and raised by 4 of the 6 attached handles, these being the two forward and two rear ward. As close as practicable, ballast was distributed to reproduce loading imparted by a human body, i.e. higher concentration towards the torso.

Where test were performed without the lid in situ the lid fixings were not used.

Rigging incorporated load distribution beams to ensure equal loading od each of the four handles, Refer figure 1.

Engagement of the rigging with the handles was by means of choked synthetic fibre round-slings to eliminate point loading.

Varying loads were applied and held for durations shown in test results.

After each test loading the structure of the coffin, handles and attachment of handles were assessed for any permanent deflection and/or damage.

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Test Result:

1 Static Load Testing

Applied Test Load (Kg's)	Test Duration at Full Load	Tested with Lid	Results and Observations
211	30 seconds	Yes	Supported the test load with slight evidence of deformation to handles.
321	30 seconds	Yes	Supported the test load with increased deformation to the right front handle.
364	10 minutes	yes	Supported the test load with severe evidence of deformation to handles. Once weight was removed deformation in handles decreased to acceptable amount.



AUTHORISED SIGNATORY: SEAN WARNER

SIGNATURE:




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