

## **CERTIFICATE OF LOAD TEST AND EXAMINATION**

**Report No.:** ALSS1964 **Date**: 25<sup>th</sup> 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 106 kg's with a Safety Factor of 2:1

**Test Sample Identity:** BANANA WOVEN CASKET c/w twine supported bamboo

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 with and 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

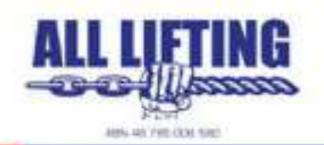
synthetic fibre round-slings to eliminate point loading.

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	Test Duration at Full Load	Tested with	Results and
(Kg's)		Lid	Observations
213	5 minutes	Yes	Supported the test load with heavy bowing of the handles, minimal distortion to casket.  Once weight was removed casket returned to original specifications





**AUTHORISED SIGNATORY: SEAN WARNER** 



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