

ANALYTICAL REPORT

AU720-0007990/11**To:** Jeffrey Price
ITI (NSW) Pty Ltd**Request No:** N7990**Date:** 9th Feb 2011**Job Description:** Analysis of Formaldehyde in Structural Laminate**Sample Received:** 31st Jan 2011 and analysed 31st Jan 2011

One sample of Structural Laminate timber was received (in three pieces). The request was for the sample to be analysed for free formaldehyde.
See Table 1 for sample identification.

Table 1

Sample Identification	PROBE Identification
5-Ply Structural Laminate timber 180 x 65 x 100 mm	N7990/1

Method:

Two pieces were tested according to AS/NZS 4357.4:2005 Part 4: Determination of Formaldehyde Emissions for Structural Laminated Veneer Lumber. Sample extracts were derivatised with DNPH and analysed by High Performance Liquid Chromatography, rather than the procedure in the method as the DNPH derivative is much more stable.

Moisture level was checked in the third piece of timber at the time of the formaldehyde testing using method AS/NZS 2098.1:2006 Method 1: Moisture Content Of Veneer And Plywood (Oven drying method).

Results:

Sample Identification	PROBE Identification	Free Formaldehyde
5-Ply Structural Laminate timber 180 x 65 x 100 mm	N7990/1	0.040 mg/L

The Moisture level in the timber at the time of testing was 11.4% w/w

Note: Cut ends of timber were sealed with wax and result corrected for the slightly larger size timber than method recommends

Analyst: N.N.Brown *N.N Brown 9/2/11***Analyst's Reference:** LN0508/86**Authorised by:** J.H.Moyle*John H Moyle
9/2/11*

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