



South West Chemical Services
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Certificate of Analysis

Client Name:	Civi Test Sou West		
Address:	Unit 4/4 Mummery Cres, Bunbury, WA, 6230		
Phone No:	9721 7022	Email:	civitest@highway1.com.au
Lab No:	5711	Order No:	
Date samples received:	25/07/2011	Report date:	10/08/11

Sample details: 1 soil sample received in plastic bag labelled CT31858 APH, Morrissey Road, Gravel Pit, Lowden Stockpile 2

Scope of Work: Presence of *Phytophthora cinnamomi* (Jarrah dieback)

Test Methods: Samples sub contracted. Samples tested on an as received basis.

Test Results:

Sample Name	Presence of <i>Phytophthora cinnamomi</i>
CT 31858	negative

Comments:

1. Lupin seeds were surface sterilized and pre-soaked in deionised water overnight. Sufficiently swollen seeds that were beginning to germinate were wrapped in damp paper towels, sealed in plastic bags and incubated for two days to encourage growth. Duplicate sterilized beakers with 1 part soil to 5 parts deionised water were prepared. In each beaker was placed a polystyrene boat holding five germinated lupin seeds, with roots hanging freely into the soil extract. Beakers were left for eight days, before roots were examined for signs of disease.

No lesions or other signs of disease were present on any of the exposed lupin roots. There is no evidence of dieback in the sample.

If you have any further questions relating to this report and its interpretation please telephone South West Chemical Services on 08 9721 7170

David Dodds
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