

# AHCARB603 Interpret Diagnostic Test Results Form

<b>Prerequisite competency completion</b>		
Not applicable. There are no prerequisite requirements.		
<b>Required reports completion</b>		
Has the candidate successfully completed the <b>required reports</b> ?	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
Critique of test results		
Portfolio of sample reports of diagnostic test results		
<b>Mandatory Equipment (as a minimum)</b>		
Has each of the mandatory equipment items been used to gather evidence for assessment?	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
computer		
word processing software		
statistical software		
internet connection		
computer		
<b>Knowledge Evidence</b>		
Has the candidate successfully completed the <b>Knowledge Evidence</b> requirements by demonstrating knowledge of each of the line items below?	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
portfolio of sample reports of diagnostic test results		
peer reviewed papers on the use of each diagnostic tool		
diagnostic tool specifications		
user manuals		
output ranges		
key thresholds		
benchmarks		
suitability of tool selection		
purpose of test		
testing methods		
methodology		
raw data		
testing evidence		
cited references		

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data relevance		
data accuracy		
non-conforming practices		
non-conforming treatments		
unsupported statements		
factual errors		
significant omissions, errors and ambiguities		
variances to specifications		
incorrect use of arboricultural terminology		
suitability of the testing process		
fit for purpose		
analysis of results		
anomalies		
validity of outcomes		
verification and falsification of results		
alternative analysis		
critiquing		
<b>Performance evidence</b>		
It is an industry requirement that competency in this unit requires the analysis and critique of a minimum of <b>five (5)</b> different diagnostic tool test results.		
Has the candidate successfully completed the requirements of the performance evidence <b>as per listed line items below?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
Has the candidate analysed and critiqued of a minimum of <b>five (5)</b> different diagnostic tool test results?		
<b>Has the candidate successfully demonstrated the Performance Evidence requirements of the unit of competency AHCARB603 Interpret diagnostic test results, and as per listed line items below?</b>		
Has the candidate successfully demonstrated the <b>Performance Evidence</b> requirements of the unit of competency AHCARB603 Interpret diagnostic test results, <b>and as per listed line items below?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>
compiling a portfolio of sample reports of diagnostic test results including: dynamic and static loading, drill resistance measurement device, sap flow measurements, electronic impedance, chlorophyll fluorescence, increment core, sonic tomography, radar imaging system, bulk density, laboratory, soil test and pH tests		
compiling peer reviewed papers on the use of each diagnostic tool		
reviewing the diagnostic tool specifications and user manuals		
researching output ranges for each diagnostic tool		
identifying key thresholds and benchmarks		
determining suitability of tool selection for purpose of test		

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identifying and evaluating testing methods used		
assessing relevance, benefits and limitations of methodology used		
determining assumptions used		
determining currency of the equipment, software or system used		
accessing raw data and testing evidence where available		
verifying data relevance and accuracy		
reviewing references cited in the report		
recording non-conforming practices and treatments		
identifying instances of incorrect application of diagnostic tools		
highlighting unsupported statements and factual errors		
detailing significant omissions, errors and ambiguities		
detailing inconsistencies and errors of logic		
identifying variances to specifications		
detailing incorrect use of arboricultural terminology		
assessing the suitability of the testing process as fit for purpose		
analysing the results		
comparing evaluation with original interpretation		
considering and account for anomalies		
determining the validity of outcomes of original report		
developing substantiated positions to inform critical analysis of test results		
determining further testing required to verify or falsify results		
documenting feedback on original results		
compiling the analysis		
reviewing the completeness and accuracy of the analysis		
recording analysis outcomes and rationale		
documenting the analytical processes		
providing alternative analysis and conclusion		
documenting critique in a report		
presenting report in agreed format and within agreed timelines		
using industry standard terminology to describe diagnostic tools and tests		

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<b>Assessment conditions</b>			
It is an industry requirement that competency in this unit requires the analysis and critique of a minimum of <b>five (5)</b> different diagnostic tool test results.			
Has the candidate successfully completed the assessment requirements <b>as per the line item below?</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>	
Has the assessment confirmed the analysis and critique of a minimum of <b>five (5)</b> different diagnostic tool test results?			
<b>Assessment may be conducted in a simulated or real work environment; however, determination of competency requires the application of work practices under work conditions.</b>			
Assessment may be conducted in a simulated or real work environment; however, determination of competency requires the application of work practices under work conditions.	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>	
Have assessments been demonstrated consistently over time?			
Have assessments been demonstrated in a suitable range of contexts?			
Have assessments been demonstrated with a productivity-based outcome?			
Have assessments been demonstrated with multiple assessment events and reports?			
<b>Assessor Declaration</b>			
<b>Assessors must satisfy current standards for RTOs in the assessment of arboriculture units of competency.</b>	<b>Yes/No (Y/N)</b>	<b>Signed (Initialled)</b>	
<b>Has assessment been conducted only by persons who have:</b>			
<ul style="list-style-type: none"> <li>• arboriculture vocational competencies at least to the level being assessed?</li> </ul>			
<ul style="list-style-type: none"> <li>• current arboriculture industry skills directly relevant to the unit of competency being assessed?</li> </ul>			
<b>Assessor name</b>	<b>Assessor qualification</b>	<b>Year</b>	<b>Full Signature</b>
<b>Competency Determination</b>			
This section determines the skills and knowledge required to interpret diagnostic test results and evaluate and critique the testing methods and results.			<b>Competent /Not yet competent</b>
<b>The candidate is competent in interpreting diagnostic test results and evaluating and critiquing the testing methods and results.</b>			

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Competency Assessment Completion		
Assessor name	Date	Full Signature

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