| NZA | $\mathbf{2 7 1 5 3}$ |
| ---: | ---: |
| R | 29426 |
| Job No | 38304 |
| Measured | $07-\mathrm{Feb}-07$ |
| TW No | 2164 |
| Issued | 09-Feb-07 |
|  | Page 1 of 1 |

Sample ID
Description
Fraction Dated Treated wood- cellulose
Submitter

Kaumaile
Wood chips from shaft of spear

Julia Becker GNS


## Sample Treatment Details

Sample consisted of three large slithers of dark brown wood. Microscopic exam revealed one slither seems very shiny and smooth. Dirt attached to all 3 slithers, blue paint on a couple, parts of wood seem greasy. Put aside slither with most blue paint. Using the other two slithers removed all of the outer surfaces with scalpel. When using scalpel wood seems hard and greasy. Treated with organic washes of hexane; isopropanol and acetone. Followed by cellulose extraction process. Dried in vacuum oven.

## Stored

remainder
Comments

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## RADIOCARBON CALIBRATION REPORT

NZA 27153 CONVENTIONAL RADIOCARBON AGE $880 \pm 25$ years BP
Atmospheric data from Reimer et al (2004);
PJ Reimer, MGL Baillie, E Bard, A Bayliss, JW Beck, C Bertrand, PG Blackwell, CE Buck, G Burr, KB Cutler, PE Damon, RL Edwards, RG Fairbanks, M Friedrich,
TP Guilderson, KA Hughen, B Kromer, FG McCormac, S Manning, C Bronk Ramsey, RW Reimer, S Remmele, JR Southon, M Stuiver, S Talamo, FW Taylor,
J van der Plicht, and CE Weyhenmeyer (2004), Radiocarbon 46:1029-1058
CALIBRATED AGE in terms of confidence intervals (Smoothing parameter: 1, Offset: 0)

| 2 sigma interval is 1047 AD to 1092 AD | 903 BP to $858 \mathrm{BP}(21.6 \%$ of area $)$ |
| ---: | :--- |
| plus 1122 AD to 1219 AD | 828 BP to $731 \mathrm{BP}(72.2 \%$ of area $)$ |
| 1 sigma interval is 1156 AD to 1211 AD | 794 BP to $739 \mathrm{BP}(59.4 \%$ of area $)$ |



