



UPPSALA
UNIVERSITET

Ångström Laboratory
Tandem Laboratory

Radiocarbon group

Visiting address:
Ångström Laboratory
Lägerhyddsvägen 1

Postal address:
Box 529
SE-751 20 Uppsala
Sweden

Telephone:
+46 18 – 471 3124

Telefax:
+46 18 – 55 5736

Website:
<http://www.tandemlab.uu.se>

E-mail:
radiocarbon@physics.uu.se

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Radoslaw Grabowski
BAAC bv
Graaf van Solmsweg 103
NL-5222 BS 'S-HERTOGENBOSCH
The Netherlands

Result of ^{14}C dating of charcoal from Zwevegem Avelgemstraat, West Vlaanderen, Belgium (project A-20.0088). (p 2984)

Pre-treatment of charcoal:

1. Visible root-fibres are removed.
2. 1 % HCl is added (10 h, just below the boiling point) (carbonates are removed).
3. 1 % NaOH is added, (10 h, just below the boiling point). The soluble part is precipitated by addition of concentrated HCl. The precipitate, which mainly consists of humus material, is washed, dried and referred to as fraction SOL. The insoluble fraction, referred to as INS, is mainly consisting of the original organic material, and should therefore provide the most re-liable age. Influence of contaminants could be obtained from the SOL fraction.

Prior to the accelerator determination of the ^{14}C -content, the washed and dried material, acidulated to pH 4, is combusted to CO_2 which is graphitised using a Fe-catalyst reaction. In the present investigation fraction INS has been dated.

RESULT

Lab number	Sample	$\delta^{13}\text{C}\text{‰ V-PDB}$	^{14}C age BP
Ua-67151	Sample M1/Feature S6001	-24.6	993 ± 27
Ua-67152	Sample M5/Feature S2014	-23.5	$3\,390 \pm 38$

Kind regards

Karl Håkansson / Lars Beckel

Calibration curves

IOSACal v0.4.1; Atmospheric data from Reimer et al (2020)



