

OXREF: **N107x74**Submitted: **13-07-2007**Analysis: **13-07-2007**Data file name: **B1ISL2#0**Client: **Heritage Conservation services**Description: **Bousted pot**Period: **15-16th C AD**Beta dose rate=**578.11 rads/min**Alpha dose rate=**872 rads/min**

Comments:

Part

Measurement	Disc	Int interval	Integral
Natural	1	175-184	2284
Natural	2	175-184	2288
Nat+430 B	3	175-184	90906
Nat+870 B	4	175-184	184088
Nat+2620 A	5	175-184	184377
Nat+5230 A	6	175-184	215825
2nd gl 430 B	1	175-184	84371
2nd gl 870 B	2	175-184	181278

Beta ED	9	Alpha ED	368
I corr		Total	9
a value	0.024	Alpha count	7.2
K ₂ O	1%	Env dose	100
Dose rate	0.243	Age(I=0)	40±10
Age	260±50	Age limits	0-100

Age limits: less than 100

Even with an assumed potassium analysis of 0% and environmental dose-rate of 20mrad/a, the age TL age is less than 100 years.

The sample was prepared by washing in acetic acid and depositing fine grains onto 6 aluminium discs. The sample was analysed on a Riso Minisys TL reader under a continuously flow of nitrogen. The system is equipped with both alpha and beta emitting radiation sources sources. The dose-rates are automatically adjusted daily.

