

# DAYBREAK NUCLEAR AND MEDICAL SYSTEMS, INC.

50 Denison Drive Guilford, CT 06437

(203) 453-3299

## REPORT ON THERMOLUMINESCENCE AUTHENTICITY TESTS

On sample 373A11, Obtained by VJB  
On 1/18/89, At New York  
Description of object from which sample was taken Han incense burner, 77 cm high.

Position of sample bottom rim of upper portion  
Other samples from this object none

Results from these additional samples are given in separate reports.

A photograph of the object was available at the time of sampling and this was annotated with the sample number and signed.

## RESULT

Using standard methods and techniques, it is estimated that the material of the sample was last fired 1750 +/- 400 years ago.

This result is considered ~~consistent~~ **inconsistent** with the suggested date of the object concerned.

## SPECIAL COMMENT

Date 1/31/89 Signed 

This report must bear the laboratory seal and the signature of V. J. Bortolot, Ph.D.

### Notes:

1. If the object has been restored, the component parts may differ with age. The result above refers only to the part from which the sample was taken.
2. The test made determines the date of last firing. If the object has been refired, this may be different from the date of manufacture.
3. It has been assumed, in making this report, that the sample has not been exposed to irradiation with x-rays, gamma rays, or neutrons. This might cause the age found by TL to be greater than the actual age. However, unless so stated under "Special Comment", the measurements show no indication that such exposure has occurred, and it is unlikely that it would not be detected.

