(56)

ANALYTICAL BRANCH
RESEARCH DIVISION

3 August 1984

Analysis/Evaluation of Liquid Sample

A shipment designated 10027N(4) was received by the Analytical Branch, 13 December 1983, from FSTC. The shipment consisted of a square pint glass bottle with a plastic screw top labeled TH831103-1XX containing a red-green colored liquid with a piece of metal pipe in it, figure 1. Red-brown vapors were in equilibrium with the liquid. The plastic lid and its paper liner were in a deteriorated condition when received.

No information was available about the sample. The general appearance suggested it contained acid(s). The pH of the liquid was determined to be less than 1, indicating a strong acid. Qualitative tests for chlorine containing acids or salts and sulfur containing acids or salts were negative. Qualitative tests for nitric acid were positive. Quantitative neutralization of the acid indicated it was 12.3 N. It appears to have been used to decon a metal part. The acid concentration would eliminate any possible survival of any organic compounds.

Conclusion:

The sample consists of 12.3 N nitric acid which appeared to have been used to decontaminate a piece of metal tubing. The acid concentration is one commonly used industrially and similar to that of sample 10027HHHH received 28 Sep 83.

Classified by: CIA
[redacted]
Declassify: OADR



ENCL 20

10027 NNNN

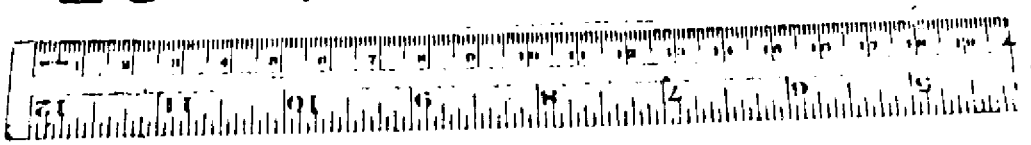

FIGURE 1



Approved for Release: 2015/01/05 C00037487