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ANALYTICAL & TEST METHODS

NALYTICAL TEST METHOD

5.2.9.5 Rev. 7

CLASSIFICATION

METHOD NO.

Gamma Spectroscopy

COMPANY PRIVATE NEDF 11373

SECT

ETERMINATION OF WEIGHT PERCENT SPECTROMETRY

PRODUCT ASSURANCE MANAGER

SSUEDBY

SCOPE 1.1 PRINCIPAL

APPARATUS

2.11

A block diagram of the gamma counter, frequently referred to as the ENRICHMENT ANALYZER, is presented in Figure 1.

Information in this record was deleted in accordance with the Fresdom of Information Act, exemptions. FOIA.

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> FIGURE 1. COMPONENTS OF THE ENRICHMENT ANALYZER

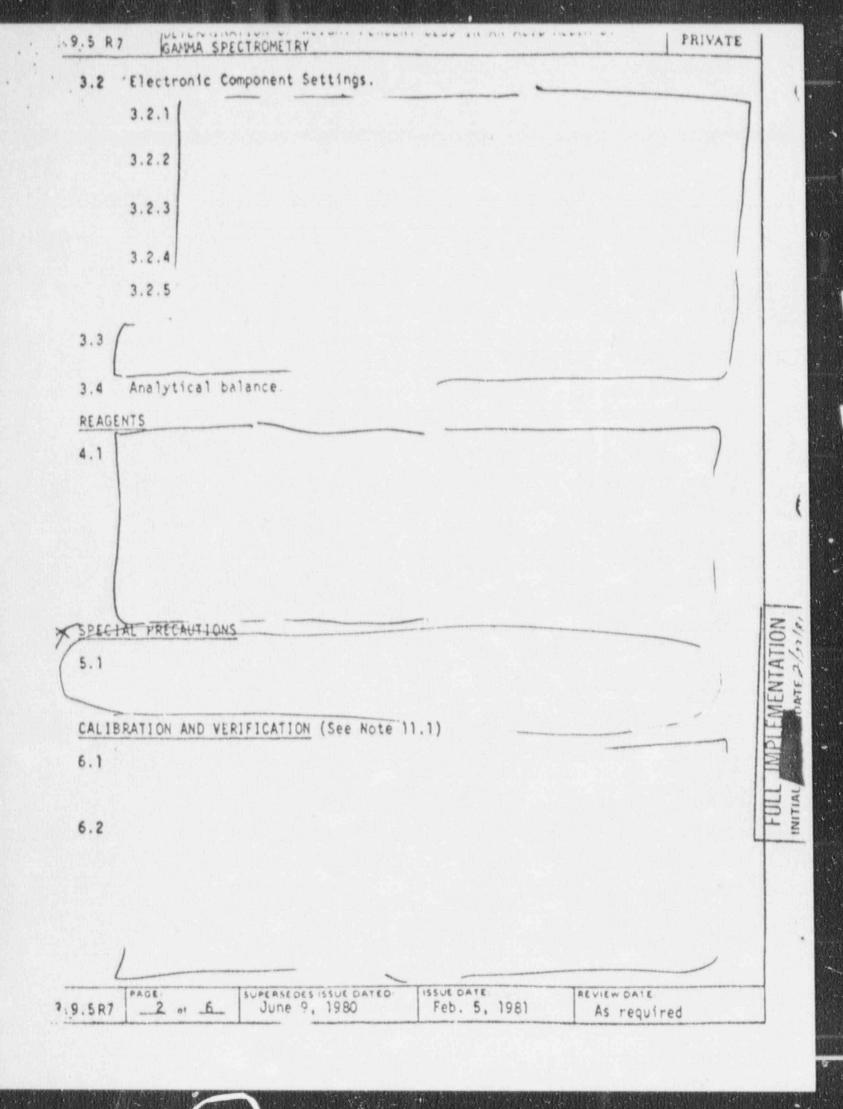
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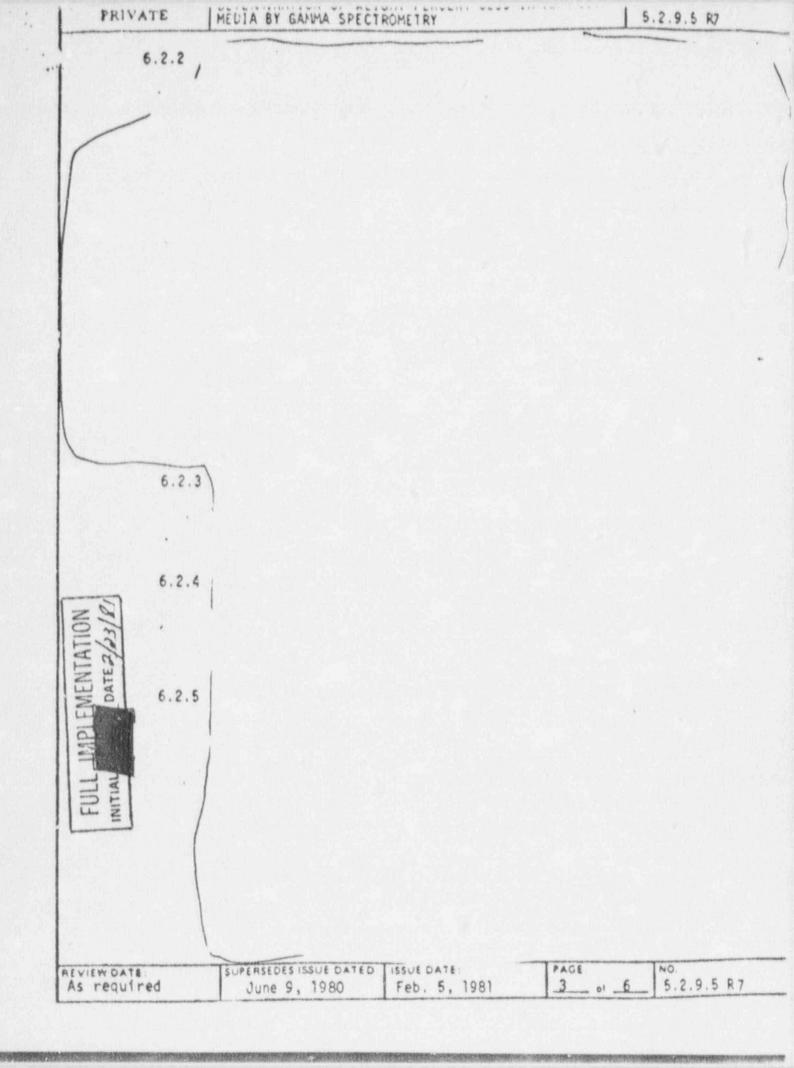
ISSUE DATE PAGE

June 9, 1980

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DETERMINATION OF WEIGHT PERCENT UZ35 IN AN ACID PRIVATE MEDIA BY GAMMA SPECTROMETRY 5.2.9.5 87 11.2 This program is documented in the Chemet Laboratories Control System Document, "Software Specification No. 79-ENR-02." Weights are calculated from the following equation: (See Reference 12.6) 11.3 11.3.1 11.4 11.5 11.6 12. REFERENCES 12.1 "Enrichment Analyzer: Liquid Samples for Determining Weight Percent of U-235, "G.E., APED-5213, October 1967. SUPERSEDES ISSUE DATED | ISSUE DATE REVIEW DATE PAGE As required June 9, 1980 Feb. 5, 1981 5.2.9.5 R7 5 016



Rev. 5, March 12, 1979

Rev. 6, June 9 , 1980



13.7