Form F17B6A

RADIO CORPORATION OF AMERICA
RCA VICTOR DIVISION
STANDARDIZING SEC., ENG. DEPT. EEE
LANCASTER, PA., U. S. A.

SUBJECT SAMPLING PROCEDURE FOR SOLUTIONS

DATE Jan. 30, 1948 PAGE 1

STANDARDIZING NOTICE 34-36-1

SUPERSEDED DATE

The following procedure shall be standard for sampling solutions of 25 gal. or more and which are not thoroughly agitated by continuous operation and/or filtration. This procedure initially used in Lancaster Plating Room.

PROCEDURE

1. Make up solution to volume by adding deionized water.

2. Mix thoroughly by agitating with paddle or mechanical mixer. Air must not be used to agitate alkaline and/or cyanide solutions.

3. Remove sections of solution by inserting open glass tube (5-10 mm. I.D.) at five different locations distributed uniformly throughout the tank. Length of tube should exceed depth of tank by about one foot. At each location, insert tube to bottom of tank, close upper end of tube with finger, withdraw tube, insert tube into sample bottle and allow contents to flow into bottle by removing finger from upper end of tube. Sample volume may be increased by increasing number of sections of solution removed.

4. Close bottle tightly with rubber stopper. Label.

5. Deliver to laboratory in approved carrier.

Note: Sampling tube must be carefully rinsed between samplings of different solutions. This can best be done as follows:

a. Rinse tube (inside and outside) five or six times with clean water.
b. Repeat rinses using the solution to be sampled.

STANDARDIZING SECTION
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