RADIO CORPONATION OF AMERICA RCA VICTOR DIVISION TUBE DEPT. STANDARDIZING SECTION

EEE HARRISON, N. J. LANCASTER, PA. *KS2K

SUBJECT SEAL LEAK TESTING

Dama Apr. 28, 1948AGE 1

STANDARDIZING NOTICE

34-17-37A

SUPERSONE DATE 5/22/43

Initially used for detecting button seal leaks in cathode ray tubes.

1. MATERIALS

*Methyl Orange

A55A Copper Free Acetone

C131 or any other carbonate coating material. As a cost factor rejected material may be used.

2. PREPARATION OF DYE SOLUTION

a. To 5 gal. of acetone, add 1 g. of methyl orange.

b. Reuse solution, adding acetone occasionally to compensate for evaporation.

PROCEDURE

- a. Spray outside surface of sealed button with carbonate coating.
- b. Allow spray material to dry for 10 min.
- c. Lay bulb on side with button downward and fill bulb with dye solution to cover button.
- d. Allow to stand for #48 hrs. and then check for leaks. All bulb assemblies showing any outside surface discoloration around button must be rejected.
- e. Scrub outside surface with brush and after a preliminary rinse, wash as indicated on FB assembly.

STANDARDIZING SECTION ENGINEERING DEPT.

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