



TUBE DIVISION * 2s
STANDARDIZING LANCASTER, PA.

STANDARDIZING NOTICE 34-17-14E

SUBJECT: **SETTLING P5 FLUORESCENT SCREENS**
Process Specifications

SUPERSEDES Jan. 8, 1954

SCHEDULE NO. 1 (Initially for J24 bulbs of 908A)

1. EQUIPMENT

As specified in 34-17-14.

2. MATERIALS

- C635 Calcium Tungstate Suspension (30 mg./cc.)
- P69B 1N (1/2M) Potassium Sulfate Solution, Purified.
- * P264D 16% Potassium Silicate Solution, Purified.
- W7K Distilled, W7J Distilled, or W60D Deionized Water.
- H7 Hydrofluoric Acid



HYDROFLUORIC ACID SAFETY PRECAUTIONS: See 33-2-7A.

3. PROCEDURE

- a. Rinse bulbs with distilled or deionized water and place in bulb holder.
- b. Place bulb holder on settling table.
- c. Measure the following materials into a 3-liter Florence flask:

C635 Calcium Tungstate suspension (30mg/cc).	89cc
P69B 1N. Potassium Sulfate Solution, purified.	465cc
* P264D 16% Potassium Silicate Solution, purified.	* 55cc
W7 Distilled or deionized water	* 1791cc
Total settling suspension for 16 screens	<u>2400cc</u>

 at 150 cc/bulb.
- d. Shake flask vigorously and pour 150 cc. of above settling suspension into a graduate.
- e. Add contents of graduate to bulb through an open-end funnel equipped with 325-mesh stainless steel strainer insert.
- f. Allow screen to settle at least 2 hours, but not more than 3 hours, (Excessive settling time causes silicate ring formation on bulb wall.)
- g. Pour off clear solution - pouring time 6-8 minutes.
- h. Air dry 3-4 minutes.
- i. Wash neck and face with 0.5-1.0% hydrofluoric acid.
- j. Alternate bulb cleaning process - see 34-17-4P.

SCALE _____

End of Schedule #1

DIMENSIONS IN

UNLESS OTHERWISE SHOWN. DIMENSIONS SHOWN WITHOUT TOLERANCES ARE DESIGN CENTERS

16-552-2-64 PCL26696-126PS

* CHANGE
** ADDITION
*** DELETION

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