

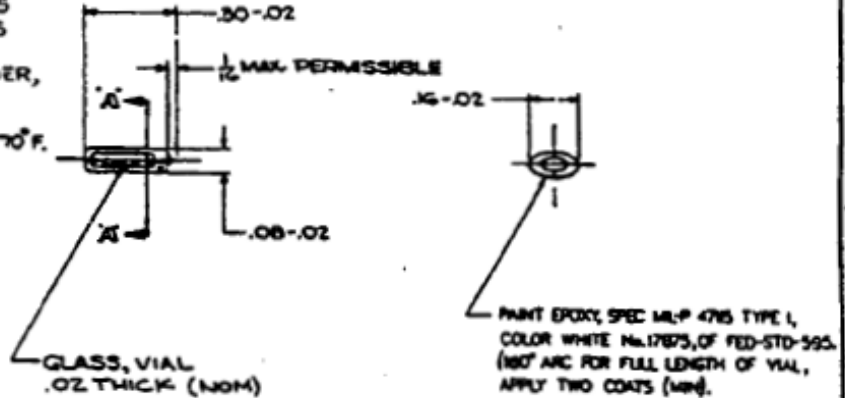
REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A SEALED SOURCE
(AMENDED IN ITS ENTIRETY)

No.: NR-0155-S-112-S DATE: December 6, 2005 ATTACHMENT 1 OF 2

REQUIREMENTS:

2. THERE SHALL BE NO EVIDENCE OF PHYSICAL FAILURE SUCH AS FRACTURING OR LIGHT LOSS DUE TO EXPOSING THE LAMP TO -80°F AND +150°F FOR A PERIOD OF 8 HOURS AT EACH TEMPERATURE.
3. AFTER SUBMERGING THE LAMP IN ROOM TEMPERATURE WATER FOR 4 HOURS, RADIOACTIVE CONTENT OF THE WATER SHALL NOT EXCEED .005 MICROCURIES.
4. VIAL TO BE FILLED WITH TITANIUM (Ti) OF 94%-96% PURITY TOTAL ODS CURES MAXIMUM.
5. PRIOR TO MAKING BRIGHTNESS MEASUREMENTS, LAMPS SHALL BE ALLOWED TO STABILIZE FOR A PERIOD OF 25 DAYS FROM MANUFACTURE.
6. FOLLOWING THE STABILIZATION PERIOD AND UP TO 120 DAYS FROM DATE OF MANUFACTURE, BRIGHTNESS MEASUREMENTS SHALL NOT SHOW A DECAY IN EXCESS OF 2.5 % WHEN MEASURED OVER ANY CONSECUTIVE 30 DAY PERIOD. FURTHER, THE FINAL BRIGHTNESS MEASUREMENT AT TIME OF ACCEPTANCE SHALL BE 325 MICROLAMBERTS MINIMUM.
7. INTERNAL PRESSURE 2.50 ATMOSPHERES (NOMINAL) AT +70°F.
COLOR OF PHOSPHOR: GREEN
SPECTRAL PEAK $5250 \text{ \AA} \pm 50 \text{ \AA}$,
 $\frac{1}{2}$ PEAK WIDTH $700 \text{ \AA} \pm 50 \text{ \AA}$.

REV	DESCRIPTION	DATE	APPROVED
XI	REPLACES REV X0 WITH CHANGE ESR T5A 74 4087	7-16-05	[Signature]
	PROHIBITION RELEASE FOR REPAIR 20100	7-16-05	[Signature]
A	NOR FBA 2000, 790109	8-23-05	[Signature]
B	NOR FOL 2502, 800212	8-07-05	[Signature]
C	NOR FAJ2001/840320 OCP FAJ2001/840320	8-07-05	[Signature]
D	NOR M6J3005/860422	8-02-02	[Signature]



SOURCE USED ON:
M64 SIGHTUNIT
M64A1 SIGHTUNIT

APPLICABLE DOCUMENTS
SOP 11733738

SECTION A-A
CURRENT DESIGN ACTIVITY CASE 0000 0000
ARMY RESEARCH, DEVELOPMENT AND ENGINEERING CENTER
TRAITT, ARMO, FOR ARML 8788-2000
PART No. 11733738

SUGGESTED SOURCE(S) OF SUPPLY	
VENDOR	VENDOR PART NO.
M. B. MICROTEC AG FREIBURGSTRASSE 624 DI-SITZ-WIEDERWANGEN SWITZERLAND	NOT AVAILABLE
SELF POWERED LIGHTING LTD. CODE IDENT NO. 292/8) 8 WESTCHESTER PLAZA ELMS FORD, N.Y. 10523	NOT AVAILABLE
SAUNDERS-IDE DEVELOPMENTS LTD. MILLINGTON ROAD WAYES MIDDLESEX UB3 4NB ENGLAND	NOT AVAILABLE
BRANDHURST CO. LTD. P.O. BOX 70 RICH WYCOMBE BUCKINGHAMSHIRE BP12-3PS ENGLAND	NOT AVAILABLE

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