PPP-D-729E
AMENDMENT 1
December 30, 1983

FEDERAL SPECIFICATION

DRUMS, SHIPPING AND STORAGE, STEEL, 55-GALLON (208 LITERS)

This amendment, which forms a part of Federal Specification PPP-D-729E, dated April 22, 1977, is approved by the Assistant Administrator, Office of Federal Supply and Services, General Services Administration, for the use of all Federal agencies.

PAGE 2

2.1, under Federal standards: Delete "FED-STD 101 in its entirety."

PAGE 4

3.4, line 8, after "inch": Add "nominal".

PAGE 5

3.4.3: Delete in its entirety and substitute:

"3.4.3 Capacity and outage. The rated capacity shall be 55 gallons (208 L). Actual capacity for types I, II and IV, including the convex heads shall be not less than 57.2 gallons (216.5 L) (4 percent outage) nor greater than 57.75 gallons (218.6 L) (5 percent outage), when tested as specified in 4.4.2. For the types V, VI and VII, actual capacity shall be not less than 56.1 gallons (212.4 L) (2 percent outage) and not more than 56.6 gallons (214.3 L) (2.9 percent outage)."

PAGE 8

3.6.1, title: Delete "phosphatizing" and substitute "corrosive inhibitor".
Line 2: Delete "phosphate" and substutute "corrosive inhibitor".

3.6.2: Delete in its entirety and substitute:

"3.6.2 Painting. Enamel shall conform to TT-E-485 or be a standard baking enamel used in the commercial production of steel drums, pails and cans. When the latter is used, it shall be the alkyd resin type crosslinked with a melamine and urea formaldehyde type resin or either a melamine or a urea formaldehyded type resin. In the case of containers calling for baked interior linings, commercial exterior paint using a modified polyester resin may be used instead of the normal alkyd coating. When specified, the color of the coating shall approximate Olive Drab No. 24087 or Olive Green No. 24064 of FED-STD-595. The film thickness of dried coating shall be a minimum of 0.6 mil (0.0006 inch) when tested as specified in 4.4.9. The coating shall show good adhesion, be difficult furrow, not flake off or show evidence of ragged edges when [illegible] as specified in 4.4.10. [illegible] a corrosive inhibitor [illegible]

FSC 3110

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PAGE 8 (cont'd)

specified in 3.6.1, the exterior of the drum (including plugs) shall be painted and dried. Drums which were coated in the flat, shall after welding, have the unpainted side seam cleaned with a corrosive inhibitor, and painted. The inside surface of the chime reinforcement and the double seam on type I, class A and B, of type V and type VII drums after forming (see 3.5.5) shall be coated with paint. The painted area of the double seam shall extend not less than 1/8-inch (3.2 mm) beyond the chime reinforcement. The chime reinforcement ring shall be applied while the paint on the double seam is wet. The type VI drums shall not be painted except when specified (see 6.2), and when specified (see 6.2) shall be painted on the outside surface with paint specified in TT-E-485 or the standard baking enamel used in the commercial production of steel pails and drums."

PAGE 9

3.7, line 3, after the second sentence: Add "embossing shall be on the bottom head of the drum."

PAGE 15

4.4.2: Delete in its entirety and substitute:

"4.4.2 Capacity and outage tests. The capacity of the drum shall be determ by pouring a measured volume of fresh water into the specimen until the specifie filled level is attained, and record the total volume poured in.

To determine the filled level of the specimen, pour a measured volume of fresh water equal to the specified capacity into the specimen. Observe and record the position of the liquid level.

To determine the outage, measure the additional volume of water (Vo) required to completely fill the specimen after it is filled to liquid capacity. Calculate the outage using the following formula:

$$\text{Outage in percent of liquid capacity} = \frac{100 \times Vo}{\text{liquid capacity}}$$

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MILITARY INTERESTS:

Custodians

Army - GL
Navy - SA
Air Force 69

Review Activities

Army - MI, EA, MD
Navy - AS, SH
Air Force - 99
DLA - GS, PS, SS

User Activities

Army - AR, AT
Navy - MC, MS

CIVIL AGENCY COORDINATING ACTIVITIES:

COMMERCE - NBS
GSA - FSS
HHS - NIH
USDA - APS

PREPARING ACTIVITY:

Army - GL

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