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Standard Specification for Dishes, Evaporating, Platinum¹

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1. Scope

1.1 This specification covers platinum evaporating dishes suitable for water analysis and laboratory use.

2. Referenced Documents

2.1 Federal Specifications:²

PPP-B-601 Box, Wood, Cleated-Plywood
PPP-B-621 Box, Wood, Nailed and Lock Corner
PPP-B-636 Box Shipping, Fiberboard
PPP-B-676 Box, Set-up
PPP-C-843 Cushioning, Material, Cellulosic
PPP-F-320 Fiberboard, Corrugated and Solid, Sheet Stock (Container Grade), and Cut Shapes

UU-P-553 Paper, Wrapping, Tissue

2.2 Federal Standards:²

Fed. Std. No. 123 Marking for Shipment (Civil Agencies)

2.3 Military Specification:²

MIL-P-116 Methods of Preservation-Packaging

2.4 Military Standards:²

MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129 Marking for Shipment and Storage
MIL-STD-1188 Commercial Packaging of Supplies and Equipment

3. Classification

3.1 *Types and Capacities*—Platinum evaporating dishes shall be of the following types and capacities as specified (see S2.1).

3.1.1 *Type I*—Shallow form without pour-out spout. Capacity: 100 mL.

3.1.2 *Type II*—Regular form with pourout spout. Capacity: 50 mL.

3.1.3 *Type III*—125 mL.

4. Materials

4.1 Unless otherwise specified, the platinum dishes shall be made of 99.9 % platinum alloyed with not more than 0.4 % iridium.

5. Dimensions, Mass, and Permissible Variations

5.1 Platinum evaporating dishes shall be either of two types: Type I, shallow dish without pourout spout, having slightly tapered sides and a flat bottom having a minimum thickness of 0.16 mm; or Type II, rounded bottom with a pourout spout conforming to the dimensions in Table 1.

6. Workmanship

6.1 Platinum evaporating dishes shall be free of defects (scratches, dents, punctures) and contamination (grease, oil, foreign matter) that detract from their appearance or that will impair their serviceability.

7. Marking

7.1 Platinum evaporating dishes shall be permanently and legibly marked with the name or registered trademark of the manufacturer.

8. Keywords

8.1 dishes; evaporating; platinum

¹ This specification is under the jurisdiction of ASTM Committee E41 on Laboratory Apparatus and is the direct responsibility of Subcommittee E41.01 on Apparatus.

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² Available from Naval Publications and Forms Center, 5801 Tabor Ave., Philadelphia, Pa. 19120.