



Designation: E786 – 81 (Reapproved 2017)

Standard Specification for Dishes, Evaporating, Platinum¹

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This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

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

2. Referenced Documents

2.1 *Federal Standards:*²

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

2.2 *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 Laboratory Ware and Supplies.

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² Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, <http://www.dodssp.daps.mil>.