



Designation: E786 – 81 (Reapproved 2024)

Standard Specification for Dishes, Evaporating, Platinum¹

This standard is issued under the fixed designation E786; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

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.

1.2 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

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).

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>.

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