



## Designation: ~~E786 – 81 (Reapproved 2011)~~ E786 – 81 (Reapproved 2017)

# Standard Specification for Dishes, Evaporating, Platinum<sup>1</sup>

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 ( $\epsilon$ ) 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.

## 2. Referenced Documents

2.1 *Federal Standards*:<sup>2</sup>

Fed. Std. No. 123 [Marking for Shipment \(Civil Agencies\)](#)

2.2 *Military Standards*:<sup>2</sup>

[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

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee E41 on Laboratory Apparatus and is the direct responsibility of Subcommittee E41.01 on Apparatus Laboratory Ware and Supplies.

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