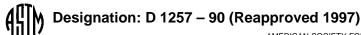
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# Standard Specification for High-Gravity Glycerin<sup>1,2</sup>

This standard is issued under the fixed designation D 1257; 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.

#### 1. Scope

- 1.1 This specification covers high-gravity glycerin (98.7 weight %, minimum) for use in the manufacture of alkyd and other synthetic resins.
- 1.2 For specific hazard information and guidance, see the supplier's Material Safety Data Sheet for materials listed in this specification.

#### 2. Referenced Documents

2.1 ASTM Standards:

D 1258 Test Method for High-Gravity Glycerin<sup>3</sup>

2.2 U.S. Federal Standard:

PPP-C-2020 Chemicals, Liquid, Dry, and Paste: Packaging of<sup>4</sup>

#### 3. Properties

3.1 The glycerin shall conform to the following requirements:

Apparent specific gravity, min:

45 0/45 000 (00/000F)	4 0000
15.6/15.6°C (60/60°F)	1.2620
25/25°C	1.2587
Color, Pt-Co scale, max	20
Sulfate ash, max, weight %	0.1
Acid value, max, mg KOH per g of	0.3
material	

#### 4. Test Methods and Sampling

4.1 The material shall be sampled and the properties enumerated in this specification determined in accordance with Test Method D 1258.

#### 5. Packaging and Package Marking

- 5.1 Package size to be agreed upon between the purchaser and supplier.
- 5.2 Packaging shall conform to applicable carrier rules and regulations or when specified shall conform to Fed. Spec. PPP-C-2020.

### 6. Keywords

6.1 high-gravity glycerins

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D-1 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.35 on Solvents, Plasticizers, and Chemical Intermediates.

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<sup>&</sup>lt;sup>2</sup> Also known as 1,2,3-propanetriol and glycerol.

<sup>&</sup>lt;sup>3</sup> Annual Book of ASTM Standards, Vol 06.04.

<sup>&</sup>lt;sup>4</sup> Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.