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Standard Specification for High-Gravity Glycerin^{1,2}

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1. Scope

1.1 This specification covers high-gravity glycerin (98.7 weight %, minimum) for use in the manufacture of alkyl 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 Glycerin³

2.2 U.S. Federal Standard:

PPP-C-2020 Chemicals, Liquid, Dry, and Paste: Packaging of⁴

3. Properties

3.1 The glycerin shall conform to the following requirements:

Apparent specific gravity, min:

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 material	0.3

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

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² Also known as 1,2,3-propanetriol and glycerol.

³ *Annual Book of ASTM Standards*, Vol 06.04.

⁴ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

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