

MIL-E-199A  
AMENDMENT 3 (PA)  
15 June 1974  
SUPERSEDING  
AMENDMENT 2 (MU)  
3 June 1968

INTERIM AMENDMENT  
MILITARY SPECIFICATION  
ETHER, DIETHYL, TECHNICAL

This Interim Amendment is issued for use by the U.S. Army Armament Command with Military Specification MIL-E-199A, dated 25 May 1962.

Paragraph 2.2, Other publications: Add the following:

"American Society for Testing Materials

ASTM Designation D1209  
Color of Clear Liquids  
(Platinum-Cobalt Scale)  
ASTM Designation E300  
Sampling Industrial Chemicals

Copies of ASTM publications may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania, 19103".

Paragraph 3.2, Appearance: Delete in its entirety and substitute the following:

"3.2 Appearance.-The diethyl ether shall be no darker than the 20 Platinum Cobalt Standard when tested as specified in paragraph 4.3.1."

Paragraph 3.3, Table I, Chemical and Physical Properties: Add "(maximum)" after the following:

"Nonvolatile residue, percent by weight"

"Acidity as acetic acid, percent"

"Acetylene, percent"

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Paragraph 3.3, Table I, Chemical and Physical Properties: After "Aldehydes" add "(not applicable when specified (see 6.2).)"

Paragraph 4.3.1, Appearance: Delete in its entirety and substitute the following:

"4.3.1 Appearance.-The appearance shall be determined in accordance with ASTM Designation D-1209."

Add new paragraph:

"4.2.3.1.3 Tank Cars (Alternate Procedure) The tankcar shall be pressurized with an inert gas (such as nitrogen gas) to a pressure of 20 psi, maximum to force the ethyl ether to flow freely through the pressurized line into a sampling container. The practice and principle of sampling shall be in accordance with ASTM-E300.

Paragraph 6.2 Ordering data: Add the following:

"(c) When diethyl ether is intended for use in the manufacture of smokeless powder, procurement documents should specify that requirements for aldehydes is not applicable (see 3.3, Table I.)"

Custodian:  
Army-PA

Preparing Activity:  
Army-PA

Project No. 6810-AA31