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An American National Standard

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Standard Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling¹

This standard is issued under the fixed designation D 2276; 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 test method has been approved by the sponsoring committees and accepted by the Cooperating Societies in accordance with established procedures.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This test method covers the determination of particulate contaminant in aviation turbine fuel using a field monitor.

1.2 There are two test methods described. The basic test method is used to evaluate the level of contamination gravimetrically. The second test method, presented in Appendix X1, describes a color rating technique that is used for rapid qualitative assessment of changes in contamination level without the time delay required for the gravimetric determinations by stringent laboratory procedures.

1.3 There are two Annexes and two Appendixes in this test method.

1.3.1 Annex A1 provides some precautionary information regarding the use of the required reagents.

1.3.2 Annex A2 describes a standard practice for obtaining a sample of the particulates present in a flowing stream of aviation turbine fuel.

1.3.3 Appendix X1 describes a test method for rating the particulate level in an aviation turbine fuel on the basis of the color of a filter membrane after sampling the fuel in the field.

1.3.4 Appendix X2 provides some safety precautions to avoid static discharge resulting from the accumulation of electrical charges in the fuel and on the equipment while following the procedures.

1.4 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

D 1193 Specification for Reagent Water²

¹ This test method is under the jurisdiction of ASTM Committee ~~D-2~~ D02 on Petroleum Products and Lubricants and is the direct responsibility of Subcommittee D02.J0 on Aviation Fuels.

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