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An American National Standard

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Standard Test Method for Hydrogen Content of Aviation Turbine Fuels by Low Resolution Nuclear Magnetic Resonance Spectrometry¹

This standard is issued under the fixed designation D 3701; 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 standard has been approved for use by agencies of the Department of Defense.

1. Scope*

- 1.1 This test method covers the determination of the hydrogen content of aviation turbine fuels.
- 1.2 Use Test Method D 4808 for the determination of hydrogen in other petroleum liquids.
- 1.3 The values stated in SI units are to be regarded as standard. The preferred units are mass percent hydrogen.
- 1.4 *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.* For a specific precautionary statement, see 6.1.

2. Referenced Documents

- 2.1 *ASTM Standards:*

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 D02.03 on Elemental Analysis.

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*A Summary of Changes section appears at the end of this standard.