



Designation: D 6227 – 9900

An American National Standard

Standard Specification for Grade 82 Unleaded Aviation Gasoline¹

This standard is issued under the fixed designation D 6227; 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.

1. Scope

1.1 Grade 82 unleaded aviation gasoline defined by this specification is for use only in engines and associated aircraft that are specifically approved by the engine and aircraft manufacturers, and certified by the National Certifying Agencies to use this fuel. This fuel is not considered suitable for use in other engines and associated aircraft that are certified to use aviation gasolines meeting Specification D 910.

1.2 A fuel may be certified to meet this specification by a producer as Grade 82 UL aviation gasoline, only if blended from component(s) approved for use in Grade 82 UL aviation gasoline by the refiner(s) of such components because only the refiner(s) can attest to the component source and processing, absence of contamination, and the additives used and their concentrations. Consequently, re-classifying of any other product to Grade 82 UL aviation gasoline does not meet this specification.

1.3 Appendix X1 contains an explanation for the rationale of the specification. Appendix X2 details the reasons for the individual specification requirements.

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

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.J0.02 on Aviation Gasoline Specifications.

Current edition approved June Dec. 10, 1999; 2000. Published August 1999; January 2001.. Originally published as D 6227-98. Last previous edition D 6227-989.