ALABAMA DEPARTMENT OF AGRICULTURE AND INDUSTRIES AGRICULTURAL CHEMISTRY ADMINISTRATIVE CODE

CHAPTER 80-1-17 STANDARDS FOR KEROSENE

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80-1-17-.01 Purpose.

The purpose of this Chapter is to provide standards for kerosene, as defined under the provisions of Code of Ala. 1975, §8-17-80(3), so that its sale, storage and use in Alabama is satisfactory and efficient for the purpose under which the product is sold.
Author: Charles H. Barnes
Statutory Authority: Code of Ala. 1975, §8-17-81.
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80-1-17-.02 Testing Methods And Specifications Used.

Testing methods and specifications for kerosene, unless changed or altered by this Chapter, shall be determined in accordance with the test methods presented in the latest version of the American Society For Testing and Materials Standards hereinafter designated as ASTM, and those specifications that are published by the United States Department of Commerce as required by Code of Ala. 1975, §8-17-81(a)(1).
Author: Charles H. Barnes
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80-1-17-.03 Standards For Kerosene.

(1) Kerosene as defined under Code of Ala. 1975, §8-17-80(3) above is further defined for purposes of this Chapter as follows:

(a) No. 1-K, special low-sulphur grade kerosene suitable for use in nonflue-connected kerosene appliances and for use in wick-fed illuminating lamps.

(b) No. 2-K, regular grade kerosene for use in flue-connected burner appliances and for use in wick-fed illuminating lamps.

(2) Grade of kerosene, hereinafter designated as 1-K and 2-K defined above shall conform to the following tests and specifications:

(a) Color (Method ASTM D-156) shall not be darker than plus 16 saybolt for both 1-K and 2-K.

(b) Flash point (Method ASTM D-56) shall not be less than 100° F minimum for both 1-K and 2-K.

(c) Sulfur (Method ASTM D-1266) shall be as follows:

1. For 1-K, maximum sulfur content 0.04 weight %.

2. For 2-K, maximum sulfur content 0.30 weight %.

(d) Volatility (Method ASTM D-86) Distillation ° C (° F) for both 1-K and 2-K shall be as follows:

1. 10% recovered - 205° C (401° F) maximum.

2. Final boiling point - 300° C (572° F) maximum.

(e) Both 1-K and 2-K shall contain no more than a trace of water, suspended matter, or sediment.

(f) Viscosity, at 40° C (ASTM Method D-445) 1.0 cSt minimum 1.9 cSt maximum.

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