

**TITLE 19      NATURAL RESOURCES AND WILDLIFE**  
**CHAPTER 15   OIL AND GAS**  
**PART 104     STANDARD SPECIFICATIONS/MODIFICATIONS FOR PETROLEUM PRODUCTS**

**19.15.104.1      ISSUING AGENCY:** New Mexico State University, New Mexico Department of Agriculture  
[7/1/97; 19.15.104.1 NMAC - Rn & A, 19 NMAC 15.104.1, 05/29/09]  
[MSC 3189, P. O. Box 30005, Las Cruces, New Mexico 88003-8005, Telephone: (575) 646-3007]

**19.15.104.2      SCOPE:** All parties involved in the manufacture or sale of petroleum products as defined in the Petroleum Products Standards Act.  
[7/1/97; 19.15.104.2 NMAC - Rn, 19 NMAC 15.104.2, 05/29/09]

**19.15.104.3      STATUTORY AUTHORITY:** Granted to the board of regents of New Mexico state university under the Petroleum Products Standards Act, Chapter 57, Article 19, Sections 25 through 37, New Mexico Statutes Annotated 1978.  
[7/1/97; A, 3/1/98; 19.15.104.3 NMAC - Rn, 19 NMAC 15.104.3, 05/29/09]

**19.15.104.4      DURATION:** Permanent.  
[7/1/97; 19.15.104.4 NMAC - Rn, 19 NMAC 15.104.4, 05/29/09]

**19.15.104.5      EFFECTIVE DATE:** July 1, 1997  
[7/1/97; 19.15.104.5 NMAC - Rn, 19 NMAC 15.104.5, 05/29/09]

**19.15.104.6      OBJECTIVE:** This part establishes the specifications and test methods for petroleum products sold or offered for sale in New Mexico that are not addressed by the American society for testing and materials (ASTM) or society of automotive engineers (SAE). Establishes modifications and exceptions to ASTM and SAE standard specifications and test methods for petroleum products.  
[7/1/97; 19.15.104.6 NMAC - Rn, 19 NMAC 15.104.6, 05/29/09]

**19.15.104.7      DEFINITIONS:**  
A. "Director" means the director of the New Mexico department of agriculture.  
B. "Lead substitute" means any substance blended with unleaded gasoline and proportioned to provide the valve seat protection provided by at least 0.05 gram lead per U.S. gallon.  
[7/1/97; 19.15.104.7 NMAC - Rn, 19 NMAC 15.104.7, 05/29/09]

**19.15.104.8      [RESERVED]**

**19.15.104.9      MODIFICATIONS TO ASTM STANDARD SPECIFICATION FOR AUTOMOTIVE SPARK-IGNITION ENGINE FUEL:**

A. Applications for temporary exceptions to vapor pressure and vapor liquid ratio specifications may be made to the director. The director may grant exemptions at his sole discretion, when said applications contain evidence satisfactory to the director that outlets marketing gasoline in New Mexico cannot feasibly be supplied from bulk terminals furnishing specified volatility level gasoline or that customary sources of supply have been temporarily interrupted by product shortage and alternate sources furnishing specified volatility level gasoline are not available.

B. Minimum levels of lead substitutes shall be as follows:

- (1) Phosphorus - 0.005 grams per U.S. gallon.
- (2) Sodium - 0.012 grams per U.S. gallon.
- (3) Manganese - 0.032 grams per U.S. gallon.

C. Test methods for the determination of the above quantities which do not have ASTM or SAE methods shall be as follows: Sodium - NMDA Method 93-1 (atomic absorption).

D. The director may determine a minimum variance between posted octane and octane determined by near infra-red spectrophotometry at which enforcement actions will be taken. Enforcement actions may be taken when it is determined by the petroleum standards laboratory that the variance between the (R+M)/2 octane as determined by near infra-red spectrophotometry and the posted octane number exceeds two (2) octane units.

E. A vapor pressure increase not exceeding one pound per square inch shall be allowed for gasoline-alcohol blends in excess of one (1) volume percent alcohol.

F. Vapor pressure and vapor liquid ratio seasonal specification may be extended for a maximum period of fifteen (15) days, if the director determines an extension is needed, to allow for the disbursement of old stocks.

G. Brake fluid: The specifications, test methods and apparatus for brake fluid shall be those established in the federal *motor vehicle safety standard DOT MVSS-116*.

[7/1/97; 19.15.104.9 NMAC - Rn, 19 NMAC 15.104.9, 05/29/09; A, 08/16/10]

**19.15.104.10** [RESERVED]

**HISTORY OF 19.15.104 NMAC:**

Pre-NMAC History: The material in this part was derived from that previously filed with the State Records Center and Archives under:

NMDA Rule No. 85-2, Ethanol-Blended Fuel Specification, filed 8/7/85.

NMDA Rule No. 87-4, Standard Specification for Gasoline, filed 7/31/87.

NMDA Rule No. 89-3, Standard Specification for Automotive Spark-Ignition Engine Fuel, filed 11/17/89.

NMDA Rule No. 93-4, Standard Specifications/Modifications for Petroleum Products, filed 5/28/93.

History of Repealed Material: [RESERVED]