

**ADOPTED REGULATION OF THE  
STATE SEALER OF WEIGHTS AND MEASURES**

**LCB File No. R149-98**

Effective December 14, 1998

EXPLANATION – Matter in *italics* is new; matter in brackets [ ] is material to be omitted.

AUTHORITY: §§1-3, NRS 233B.040 and 590.400; §§4 and 5, NRS 590.073.

**Section 1.** NAC 590.010 is hereby amended to read as follows:

590.010 Except as otherwise provided in NAC 590.030:

1. The specifications for antifreeze based on ethylene glycol contained in volume 15.05, Engine Coolants, of the [1993] *1997* Annual Book of American Society for Testing and Materials (ASTM) Standards, ASTM designation D [3306-89,] *3306-94* are hereby adopted by reference.

2. The specifications for antifreeze based on propylene glycol contained in volume 15.05, Engine Coolants, of the [1993] *1997* Annual Book of American Society for Testing and Materials (ASTM) Standards, ASTM designation D [5216-91,] *5216-95*, are hereby adopted by reference.

3. The chemical and physical properties of any antifreeze other than those classified in subsection 1 or 2 must be:

Water, mass % .....	5 max
Specific gravity 60°F/60°F .....	1.11 to 1.15
pH (33% by volume) 7.5 to 11 .....	7.5 to 11

Equilibrium boiling point.....	300°F min
Freezing point, 50% by volume.....	-34°F max
Foaming test	
Increase in volume at 5 minutes .....	150 ml max
Break time .....	5 sec max

4. In addition to the properties listed in subsection 3, any antifreeze other than those classified in subsection 1 or 2 must meet the following specifications for corrosion (loss of weight per specimen):

Copper .....	10 mg max
Solder .....	20 mg max
Brass .....	10 mg max
Steel .....	10 mg max
Cast iron.....	10 mg max
Aluminum .....	30 mg max

**Sec. 2.** NAC 590.030 is hereby amended to read as follows:

590.030 The minimum standards of chemical and physical properties for an antifreeze which:

1. Is labeled as prediluted antifreeze; and
2. Displays prominently on the front label the words “DO NOT ADD WATER,”

contained in volume 15.05, Engine Coolants, of the [1993] 1998 Annual Book of American Society for Testing and Materials (ASTM) Standards, ASTM designation D [4656-91,] 4656-95 are hereby adopted by reference.

Sec. 3. NAC 590.035 is hereby amended to read as follows:

590.035 Volume 15.05, Engine Coolants, of the [1993] 1998 Annual Book of American Society for Testing and Materials (ASTM) Standards, is available for inspection at the office of the Division of Agriculture, 350 Capitol Hill Avenue, [P.O. Box 11100,] Reno, Nevada [89510.] 89502. The volume may be purchased at a cost of [\$67] \$83 from the American Society for Testing and Materials, [1916 Race Street, Philadelphia, Pennsylvania 19103.] 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428.

Sec. 4. NAC 590.045 is hereby amended to read as follows:

590.045 1. Volume 05.01, Petroleum Products and Lubricants, of the [1993] 1998 Annual Book of American Society for Testing and Materials Standards, is available for inspection at the office of the Department of Business and Industry, Division of Agriculture, 350 Capitol Hill Avenue, [P.O. Box 11100,] Reno, Nevada [89510. Sections of the] 89502 and 2300 McLeod Street, Las Vegas, Nevada 89104.

2. The volume may be purchased at a cost of [\$15 per section or the volume may be purchased in its entirety at a cost of \$119] \$150 from the American Society for Testing and Materials, [1916 Race Street, Philadelphia, Pennsylvania 19103.] 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428.

Sec. 5. NAC 590.055 is hereby amended to read as follows:

590.055 The state sealer of weights and measures hereby adopts by reference the [specification guides] specifications for aviation fuel contained in volume 05.01, Petroleum Products and Lubricants, of the [1993] 1998 Annual Book of American Society for Testing and

Materials (ASTM) Standards, ASTM designations D [910-92] 910-97 and D [1655-93.] 1655-97.