



## Blend Ratio Errors

Last Revision: January 17, 2018

[Back to Table of Contents](#)

 [ATCP 94.300](#)  
 [Wis. Stat. 168.14](#)

### Background

Dispenser blend ratio errors require octane violation for enforcement.

Retail gas stations will generally blend a regular gasoline with a premium to obtain a mid-grade. Stations may also have a dedicated non-blended mid-grade tank.

If an inspector checks the Blend Ratio on a mid-grade sample and the ratio does not appear to be correct the inspector is instructed to perform the following process.

### Policy

- 1) Send a normal sample to the lab.
- 2) Recommend to the O/O in the WinWam notes section that the blend ratio be adjusted.
- 3) If the Madison lab results in an FTIR octane screening failure, follow the steps below:
  - a. Collect four (4) one-quart sample cans of the product.
  - b. Send two (2) of the sample cans to the Fuel Quality Laboratory. The lab will test and report results and then the samples will be retained.
  - c. Send the other two (2) sample cans directly to Intertek for the official octane method to be performed (ASTM D2699/D2700).

Intertek Address:      Intertek Commodities  
                                 Attn: Laboratory Director  
                                 725 Oakridge Drive  
                                 Romeoville IL 60446

Do not red tag the retail site based on blender adjustment error only. Recommend correct blend ratio adjustment to business owner to assure customer receives what they are charged for. An inspector will not order a violation until a violation is confirmed from the official octane method result. An order must be issued for octane misrepresentation if the official motor octane test results fail to meet requirements use these violations.

**168.14** Misbranding (2) No person may receive, unload, use, sell or offer for sale in this state, any gasoline, gasoline-alcohol fuel blends, kerosene, fuel oils, diesel fuels or other petroleum distillates which the person knows, or reasonably should know, is misidentified as to name or grade. Gasoline-ethanol blends that are identified in compliance with s. [168.11](#) when sold at retail are correctly identified as to name.

**ATCP 94.300 Labeling of dispensers and containers. (1) DISPENSING EQUIPMENT. (a) General.** All devices dispensing liquid fuel products at motor fuel dispensing facilities, garages or other places where liquid fuel products are sold or offered for sale shall be marked with a conspicuous label visible on both faces of the dispensing device indicating the automotive fuel rating of the fuel product. No label may be placed so that the text is sideways or upside down.

## WinWam Result Code

### *Fail Screening – Send to Lab*

Inspector should use *Fail Screening – Send to Lab* as a result code when a sample fails the expected Blend Ratio during the Field Screening test.

Please send an email notification to Justin Lien, [Justin.lien@wisconsin.gov](mailto:Justin.lien@wisconsin.gov). Please let Justin know that you had sent two samples to Intertek and provide him with the Sample ID No.'s. In turn, Justin will email Intertek and let them know they are to be expecting samples for testing.

Once test results are received, Justin will send an email to the Inspector, their Supervisor, the Bureau Director and the compliance officer. The inspector will follow-up with the site based off those results.

*Effective date: January 18, 2017*