

Tax Information

Bulletin 5032

Bulletin: 5032 R2
Date: December 22, 2011
Subject: Dyed Fuel Requirements for Tax Exempt Fuel

Marking or Dyeing of Gasoline and Diesel Oil

Dye used for marking gasoline and diesel oil must be in accordance with the dye specifications prescribed by the Commissioner. Dye specifications currently in use are attached for your information.

Agents will be notified of any changes to the dye specifications.

Specifications for Dye

One kg of concentrated red dye must be capable of dyeing 71,428 litres of product @ a dye strength of 14 ppm.

Colorant:

- Must be Solvent Red 164 in a sufficient color concentration to ensure that when a sample of fuel, properly dyed @ 14 ppm is diluted at a ratio of 10:1, the resulting mixture is readily identifiable as definitely being marked red.
- Red dye must have an absorbance **maximum** within the range 510-540 nanometers (nm).
- Dye strength must have an absorbance of 0.640 AU **minimum** at 50 ppm (mg/l) solution of dye concentrate in iso-Octane.

Marker:

- Marker to be exclusive for Canadian Provincial Taxation Department use only. Absorbency maximum within the range of 400-650 nm with a minimum absorbance reading of between .730 and .800 nm when reacted with reagent not containing more than 10 % acid. (This requirement is based on 20 ml of a 50 ppm (mg/l) solution of the dye concentrate in iso-Octane when extracted with 10 ml of reagent).