

BQ-9000 Marketer Program Requirements Change Summary Revision 5 vs. Revision 4

The following is a list of major changes in Revision 5 the BQ-9000 Marketer Program Requirements.

1. Scope, letter c. – deleted

2. Section 2.9 Producer -

Revision 4	Change in Revision 5
The entity responsible to the first purchaser of neat biodiesel for that neat biodiesel to meet the specifications of ASTM D6751. A producer can also be engaged in the distribution of biodiesel blends of B99 or higher.	An organization involved in the production of B100 through assets under their direct control or through a tolling arrangement. Producers can either sell B100 or biodiesel blends of B99 or higher.

3. Section 3.1 Normative References -

Revision 4	Change in Revision 5 - Added
	ASTM D396 Standard Specification for Fuel Oils
	ASTM D975, Standard Specification for Diesel Fuel Oils
	ASTM D7371, Standard Test Method for Determine of Biodiesel (Fatty Acid Methyl Acids) Content in Diesel Fuel Oil Using Mid Infrared Spectroscopy (FTIR-ATR-PLS Method)
	ASTM D7467, Standard Specification for Diesel Fuel Oil, Biodiesel Blend (B6 – B20)
	Form BQF-1, BQ-9000 External Laboratory Verification

4. Section 4 Documentation Requirements -

Revision 4	Change in Revision 5 - Added
	The organization shall implement the newest revision of the BQ-9000 Marketer Program Requirements into their quality management system within 90 days of the effective date of the latest revision. The organization shall notify

	the NBAC when these quality system changes have been made.
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5. Section 7 Receipt of Product -

Revision 4	Change in Revision 5
This sample shall be tested per ASTM D4176 (maximum of 2).	This sample shall be tested per ASTM D4176 (Procedure 2, Maximum Value of 2).

6. Section 7.2 Product Received from a Producer or Marketer that is not BQ-9000 Certified –

Revision 4	Change in Revision 5
Product received from a producer or marketer that is not BQ-9000 certified shall be accompanied by certificate(s) of analysis where the tests were performed by either an independent lab or the BQ-9000 Marketer’s internal lab to verify that the product meets full ASTM D6751 specifications.	Product received from a producer or marketer that is not BQ-9000 certified shall <u>have</u> certificate(s) of analysis <u>showing</u> the tests were performed by either an independent lab or the BQ-9000 Marketer’s internal lab to verify that the product meets full ASTM D6751 specifications (<u>current revision</u>).

7. 7.3 Commingling of B99 or B100 Fuel Shipments or Lots -

	Change in Revision 5 - Added
	The cold soak filterability shall be stated as either 1) Meeting the higher of the 360 or 200 second filterability time limits of the products being commingled or 2) The measured cold soak filterability of a representative blend

8. 7.5 Diesel Fuel as a Blend Component - Added

	Change in Revision 5
	Since ASTM D975 and ASTM D396 specification permits diesel fuel to be supplied with up to 5% Biodiesel content, the Marketer shall know whether the diesel fuel or fuel oil used in the Marketer’s blending operations contains any percentage of biodiesel. Since the diesel fuel and fuel oil certificates of analysis may not contain information on the amount of biodiesel in the purchased diesel used for blending, the Marketer shall determine the biodiesel content through testing or by specifying the biodiesel content in the purchase contract.

- 9. **Section 8 B99 or B100 STORAGE** – Title changed By Adding B99
- 10. **Section 8.1 B99 or B100 Storage and Distribution Tanks** – Title changed By Adding B99
- 11. **Section 8.2 B99 or B100 Storage Tank Sampling and Testing** – Title changed By Adding B99
- 12. **8.3 Storage Tank Homogeneity** – Section Deleted
- 13. **8.3 B99 or B100 Tank Testing** - Title changed By Adding B99, Becomes 8.3 because of the original section 8.3 was deleted.

Change in Revision 5	
<u>Deleted</u>	
A composite sample shall be taken in accordance with ASTM D4057 every 30 days from each B100 storage tank and tested for the following parameters.	
Property	Test Method Limits
Flash point, °C	per ASTM D6751 per ASTM D6751
Acid number, mg KOH/gm	per ASTM D6751 per ASTM D6751
Free glycerin, % mass	per ASTM D6751 per ASTM D6751
Total glycerin, % mass	per ASTM D6751 per ASTM D6751
Visual appearance	ASTM D4176 Procedure 2 2 max
<u>Added</u>	
If a biodiesel storage tank has no activity (no shipments out) for 30 days, product shall not be shipped from the storage tank until an outlet sample, or a representative sample of the product according to ASTM D4057 is taken. The sample shall be tested for water and sediment per ASTM D4176 and for Oxidation Stability per ASTM D6751. If the sample fails to meet specification, the production lot shall be isolated and the procedures for the control of nonconforming product shall apply.	

14. 8.5 Product Distribution Sample – Section Deleted

15. Section 9.1 Fuel Blending -

	Change in Revision 5 - Added
	<p>Validation of the blending process shall be as follows:</p> <p>9.1.1 Blend homogeneity is measured by obtaining samples at the upper, middle and lower regions of the vessel per ASTM D4057, Standard Guide for the Sampling of Petroleum Products.</p> <p>9.1.2 To validate the blending process three consecutive blend lots shall be tested for each blend range that the Marketer plans to distribute.</p> <p>9.1.3 The sample or samples shall be analyzed for percent biodiesel using ASTM D7371, Determination of Biodiesel Content in Diesel Fuel. The % methyl ester in each of the level samples must be within 0.50% by volume for blends less than or equal to B5 and 1.0% by volume for blends greater than B6.</p> <p>9.1.4 The validation test results shall be recorded and retained for a period of two years.</p> <p>9.1.5 Once initial validation has been completed, the validation shall be performed annually by requiring one test for each blend range of product distributed per 9.1.3.</p> <p>9.1.6 If a Marketer has both rack blending and storage tank blending, blending validation shall be performed on both systems.</p>

16. 9.2 Blended Tank or Truck Homogeneity – Section Deleted

17. Section 9.2 Storage and Distribution Tanks Containing Blended Biodiesel –
Becomes 9.2 because of the original section 9.2 was deleted. “Storage and Distribution” were added to the title.

	Change in Revision 5
	<p><u>Deleted</u></p> <p>Each time blending of biodiesel into a</p>

	blend tank occurs, a composite sample of the blended fuel tank shall be obtained and retained for a minimum of 60 days.
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18. 9.3 Blended Fuel Tank Testing – Becomes 9.3 because of the original section 9.2 was deleted.

Revision 4	Change in Revision 5
using ASTM D4176, procedure 2	using ASTM D4176, (Procedure 2, Maximum Value of 2)

19. 9.4 Trucks, Railcars and Vessels Containing Biodiesel and Blended Biodiesel – Becomes 9.4 because of the original section 9.2 was deleted.

20. 10.1 Nonconforming Products -

Revision 5	Change in Revision 6
	<u>Added</u>
	The re-inspection shall be documented.