

**15A NCAC 02D .2606 MOLECULAR WEIGHT**

(a) Except as allowed by Paragraph (b) of this Rule, Method 3 of Appendix A to 40 CFR Part 60 shall be applied as written and used concurrently with any test method if necessary to determine the molecular weight of the gas being sampled by determining the fraction of carbon dioxide, oxygen, carbon monoxide, and nitrogen.

(b) The grab sample technique may be substituted using instruments such as Bacharach Fyrite™, with the following restrictions:

- (1) Instruments such as the Bacharach Fyrite™ shall only be used for the measurement of carbon dioxide.
- (2) Gas samples shall be taken during the emission test run to account for variations in the carbon dioxide concentration. At least four samples shall be taken during a one-hour test run.
- (3) The total concentration of gases other than carbon dioxide, oxygen, and nitrogen shall be less than one percent.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.65; 143-215.66; 143-215.107(a)(5);  
Eff. June 1, 2008;  
Readopted Eff. November 1, 2019.*