Figure C–4 to Subpart C of Part 53—Illustration of the Minimum Limits for Correlation Coefficient for PM\(_{2.5}\) and PM\(_{10–2.5}\) Class II and III Methods

**Minimum Limits for Correlation Coefficient**

[Diagram of correlation coefficient limits]

[72 FR 32204, June 12, 2007]

**APPENDIX A TO SUBPART C OF PART 53—REFERENCES**


**Subpart D—Procedures for Testing Performance Characteristics of Methods for PM\(_{10}\)**

**SOURCE:** 52 FR 24729, July 1, 1987, unless otherwise noted.

§ 53.40 General provisions.

(a) The test procedures prescribed in this subpart shall be used to test the performance of candidate methods for PM\(_{10}\) against the performance specifications given in table D–1. Except as provided in paragraph (b) of this section, a test sampler or samplers representative of the sampler described in the candidate method must exhibit performance better than, or equal to, the specified value for each performance parameter, to satisfy the requirements of this subpart.

(b) For a candidate method using a PM\(_{10}\) sampler previously approved as part of a designated PM\(_{10}\) method, only the test for precision need be conducted and passed to satisfy the requirements of this subpart. For a candidate method using a PM\(_{10}\) sampler inlet previously approved as part of a designated PM\(_{10}\) method, the tests for precision and flow rate stability must be conducted and passed to satisfy the requirements of this subpart. For a candidate method using a PM\(_{10}\) sampler inlet previously approved as part of a designated PM\(_{10}\) method, the tests for precision and flow rate stability must be conducted and passed to satisfy the requirements of this subpart.

(c) The liquid particle sampling effectiveness and 50 percent cutpoint need not be conducted if suitable rationale is provided to demonstrate that test results submitted for the previously approved method are applicable to the candidate method.

(d) The test conditions for sampling effectiveness and 50 percent cutpoint shall be conducted in a wind tunnel using 10 particle sizes and three wind speeds as specified in table D–2. A minimum of 3 replicate measurements of sampling effectiveness shall be required for each of the 30 test conditions for a minimum of 90 test measurements.