

Gravimetric Weighing

- TSP/PM₁₀
- Concentration calculations
- Standard 8x10 or 47mm filters
- Pre- and post-weighs
- Complete chain-of-custody
- Independent balance certification
- Gravimetric analysis
- Glass fiber, quartz fiber, teflon filters
- Source testing media
- Data validation
- Data reporting in state and EPA formats
- Additional analyses available

Meteorological Solutions Inc. personnel have been providing gravimetric services to numerous clients throughout the United States for approximately 20 years. All weighing activities are performed in accordance with the applicable EPA reference method. MSI provides NIST-traceable measurements in an environmentally controlled laboratory.



Our analytical balance is calibrated daily with NIST-traceable standards and is serviced at least once per year by an independent balance service. MSI's analytical balance has a minimum resolution of 0.1mg and a precision of 0.5mg.



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Meteorological Solutions Inc. has strict quality assurance procedures in place to provide accurate weighing results. Filters are equilibrated in a constant temperature and humidity environment for at least 24 hours prior to weighing. Temperature and humidity conditions are set daily to NIST traceable standards. The balance is zeroed and calibrated prior to any weighing activities. At least 10 percent of all clean and exposed filters are audited. Complete laboratory weighing procedures are available upon request.

Contact Us

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- [Ambient Monitoring](#)
- [Tracer Studies](#)
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- [Dispersion Modeling](#)
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