Good Morning Amelia,

Please see the recommendations for the measurement technology from Aeroqual.

Contact me with any questions.

Thank You,

Bernadette Shahin
Senior Applications Manager
M 818 741 7078
Connect with me on LinkedIn

Aeroqual Inc.
www.aeroqual.com
LinkedIn | Facebook | Twitter

https://www.aeroqual.com/rule-1466-compliance

Cal OSHA Recommendations

Minimum Requirements

1. PM Monitors should have been evaluated by EPA Sensor Guidebook, AQ-SPEC for both lab and outdoor measurement. 1466 DUST RULE by SCAQMD is a good template for PM 2.5 measurement.
2. Relative Humidity and Temperature must be measured and compensated for in any PM 2.5 measurement device. Without this compensation PM 2.5 measurements will not be accurate.
3. Active Fan sampling required for sample delivery.
4. Instrument must contain a data logger to capture real time data and store. The data collection should be configurable for various averaging times-minute, hourly, 8 hour, 24 hours. The data should be able to be extracted and downloaded to an excel spreadsheet.
5. Minimum, Maximum and various averaging time readings must be available.
6. Alarms for high or low available.
7. Zero/calibration required.
8. Calibration certificate to be required for each device with the minimum information of:

   Date of calibration

   Operating range

   Serial # of device/sensor

   Measurements -reference zero -sensor zero

          -reference span-sensor span

   Calibration Standard-list standard used manufacturer instrument/model number and serial number—actual reference standard

   Recommend ASTM Method which is Latex Microspheres to be used as the test standard

   Test aerosol-manufacturer model

   ie. optical particle counter, test aerosol

9. If a Portable (not handheld instrument is used) the following operating parameters should be required
10. Ability to change K factors in the field