# Air Quality Analysis Report

Date: 2024-12-29

This report provides a comprehensive analysis of air quality data, including comparisons with TBS/WHO standards, AQI values, and actionable recommendations.

## Real Concentration Analysis (TBS/WHO Standards)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location | Average PM10 (µg/m³) | PM10 Meets TBS/WHO (50)? | Average PM2.5 (µg/m³) | PM2.5 Meets TBS/WHO (25)? |
| AQMS-1 | 34.62 | Meets Standard | 34.62 | Exceeds Standard |
| AQMS-2 | 34.09 | Meets Standard | 20.70 | Meets Standard |

## AQI Analysis and Recommendations

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Location | PM10 AQI | PM10 Category | PM2.5 AQI | PM2.5 Category | Advice |
| AQMS-1 | 32.10 | Good | 98.74 | Moderate | PM10: Air quality is excellent. No actions required. PM2.5: Air quality is acceptable. Sensitive groups should reduce prolonged outdoor activities. |
| AQMS-2 | 31.65 | Good | 69.10 | Moderate | PM10: Air quality is excellent. No actions required. PM2.5: Air quality is acceptable. Sensitive groups should reduce prolonged outdoor activities. |