**AQI Air Quality Index**

**Range:**

|  |  |  |
| --- | --- | --- |
| **Air Quality Index (AQI) Values** | **Levels of Health Concern** | **Colors** |
| 0 to 50 | Good | Green |
| 51 to 100 | Moderate | Yellow |
| 101 to 150 | Unhealthy for Sensitive Groups | Orange |
| 151 to 200 | Unhealthy | Red |
| 201 to 300 | Very Unhealthy | Purple |
| 301 to 500 | Hazardous | Maroon |

**Values for PM2.5, PM10, CO, O3, NO2 and SO2**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **O3 (ppb)** | **PM2.5 (µg/m3)** | **PM10 (µg/m3)** | **CO (ppm)** | **SO2 (ppb)** | **NO2 (ppb)** | **AQI** | **AQI** |  |
| *Clow* - *Chigh (avg)* | *Clow* - *Chigh (avg)* | *Clow*- *Chigh (avg)* | *Clow* - *Chigh (avg)* | *Clow* - *Chigh (avg)* | *Clow* - *Chigh (avg)* | *Clow* - *Chigh (avg)* | *Ilow* - *Ihigh* | **Category** |
| 0-54  (8-hr) | - | 0.0-12.0 (24-hr) | 0-54 (24-hr) | 0.0-4.4 (8-hr) | 0-35 (1-hr) | 0-53 (1-hr) | 0-50 | Good |
| 55-70 (8-hr) | - | 12.1-35.4 (24-hr) | 55-154 (24-hr) | 4.5-9.4 (8-hr) | 36-75 (1-hr) | 54-100 (1-hr) | 51-100 | Moderate |
| 71-85 (8-hr) | 125-164 (1-hr) | 35.5-55.4 (24-hr) | 155-254 (24-hr) | 9.5-12.4 (8-hr) | 76-185 (1-hr) | 101-360 (1-hr) | 101-150 | Unhealthy for Sensitive Groups |
| 86-105 (8-hr) | 165-204 (1-hr) | 55.5-150.4 (24-hr) | 255-354 (24-hr) | 12.5-15.4 (8-hr) | 186-304 (1-hr) | 361-649 (1-hr) | 151-200 | Unhealthy |
| 106-200 (8-hr) | 205-404 (1-hr) | 150.5-250.4 (24-hr) | 355-424 (24-hr) | 15.5-30.4 (8-hr) | 305-604 (24-hr) | 650-1249 (1-hr) | 201-300 | Very Unhealthy |
| - | 405-504 (1-hr) | 250.5-350.4 (24-hr) | 425-504 (24-hr) | 30.5-40.4 (8-hr) | 605-804 (24-hr) | 1250-1649 (1-hr) | 301-400 | Hazardous |
| - | 505-604 (1-hr) | 350.5-500.4 (24-hr) | 505-604 (24-hr) | 40.5-50.4 (8-hr) | 805-1004 (24-hr) | 1650-2049 (1-hr) | 401-500 |

**Conversion:**

SO2 1 ppb = 2.62 μg/m3

NO2 1 ppb = 1.88 μg/m3

NO 1 ppb = 1.25 μg/m3

O3  1 ppb = 2.00 μg/m3

CO 1 ppb = 1.145 μg/m3

Benzene 1 ppb = 3.19 μg/m3

Results for AIS: SO2 0.02 mg/m3 , NO2 0.02 mg/m3 ,NO 0.02 mg/m3 , O3  0.02 mg/m3 ,CO 0.02 mg/m3 , Benzene 0.02 mg/m3

a≤f