

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES 25 MARTIE 2023



**DATE CALITATE AER MUNICIPIUL SEBES -  
SISTEM PROPRIU DE MASURARE -Kogalniceanu, nr.114**

Valori medii orare

| Time         | PM1          | PM2.5        | PM4          | PM10         | PMtot        | Benzen      | Toluen         | Etil-<br>benzen | CO          | NO          | NO2          | NOx          | O3            | SO2          | Formald<br>ehida |
|--------------|--------------|--------------|--------------|--------------|--------------|-------------|----------------|-----------------|-------------|-------------|--------------|--------------|---------------|--------------|------------------|
| h:min        | µg/m3        | µg/m3        | µg/m3        | µg/m3        | µg/m3        | µg/m3       | µg/m3          | µg/m3           | mg/m3       | µg/m3       | µg/m3        | µg/m3        | µg/m3         | µg/m3        | mg/m3            |
| 1:00         | 2.78         | 3.21         | 3.58         | 4.10         | 4.81         | n/a         | n/a            | n/a             | 0.17        | 1.30        | 3.59         | 4.92         | 106.57        | 11.75        | 0.006            |
| 2:00         | 4.28         | 4.68         | 5.07         | 5.40         | 5.94         | n/a         | n/a            | n/a             | 0.18        | 1.62        | 3.91         | 5.55         | 96.04         | 11.72        |                  |
| 3:00         | 5.34         | 6.03         | 6.76         | 7.50         | 8.21         | n/a         | n/a            | n/a             | 0.18        | 1.66        | 5.45         | 7.13         | 89.17         | 11.58        |                  |
| 4:00         | 3.22         | 3.97         | 4.67         | 5.68         | 7.31         | n/a         | n/a            | n/a             | 0.16        | 1.57        | 3.85         | 5.41         | 95.89         | 11.68        |                  |
| 5:00         | 2.60         | 3.24         | 3.79         | 4.55         | 5.54         | n/a         | n/a            | n/a             | 0.16        | 1.14        | 2.61         | 3.78         | 99.87         | 11.74        |                  |
| 6:00         | 2.30         | 2.87         | 3.39         | 4.09         | 5.58         | n/a         | n/a            | n/a             | 0.16        | 1.34        | 2.89         | 4.24         | 98.42         | 11.60        |                  |
| 7:00         | 2.29         | 2.80         | 3.24         | 4.13         | 6.06         | 7.45        | n/a            | n/a             | 0.16        | 1.61        | 3.22         | 4.84         | 97.13         | 11.63        |                  |
| 8:00         | 2.33         | 2.92         | 3.51         | 4.82         | 6.72         | 7.45        | n/a            | n/a             | 0.17        | 3.12        | 6.81         | 9.94         | 92.58         | 11.62        |                  |
| 9:00         | 2.38         | 2.98         | 3.58         | 5.19         | 7.92         | 7.45        | n/a            | n/a             | 0.17        | 2.56        | 5.39         | 7.93         | 95.36         | 11.64        |                  |
| 10:00        | 2.38         | 2.92         | 3.50         | 4.89         | 6.71         | 7.45        | n/a            | n/a             | 0.17        | 2.41        | 4.04         | 6.43         | 99.93         | 11.58        |                  |
| 11:00        | 2.58         | 3.21         | 3.71         | 6.64         | 12.51        | 7.45        | n/a            | n/a             | 0.16        | 2.50        | 2.77         | 5.23         | 103.58        | 11.58        |                  |
| 12:00        | 2.61         | 3.76         | 4.57         | 12.58        | 31.20        | 7.45        | n/a            | n/a             | 0.16        | 2.26        | 2.06         | 4.28         | 110.28        | 11.50        |                  |
| 13:00        | 2.22         | 2.84         | 3.33         | 6.20         | 13.18        | 7.45        | n/a            | n/a             | 0.16        | 1.97        | 2.23         | 4.16         | 116.21        | 11.37        |                  |
| 14:00        | 1.89         | 2.32         | 2.71         | 3.78         | 5.88         | 7.45        | n/a            | n/a             | 0.17        | 1.89        | 2.13         | 4.03         | 119.26        | 11.52        |                  |
| 15:00        | 1.59         | 2.05         | 2.36         | 3.68         | 5.47         | 7.45        | n/a            | n/a             | 0.16        | 1.80        | 1.98         | 3.80         | 119.53        | 11.45        |                  |
| 16:00        | 1.77         | 2.24         | 2.61         | 3.71         | 5.53         | 7.45        | n/a            | n/a             | 0.16        | 2.08        | 2.10         | 4.18         | 121.17        | 11.49        |                  |
| 17:00        | 2.06         | 2.55         | 2.92         | 3.80         | 5.57         | 7.45        | n/a            | n/a             | 0.17        | 1.65        | 2.73         | 4.40         | 121.51        | 11.52        |                  |
| 18:00        | 1.92         | 2.47         | 2.92         | 4.21         | 5.97         | 7.45        | n/a            | n/a             | 0.17        | 1.91        | 3.55         | 5.46         | 121.44        | 11.56        |                  |
| 19:00        | 2.16         | 2.67         | 3.03         | 4.42         | 7.96         | 7.45        | n/a            | n/a             | 0.17        | 1.54        | 4.21         | 5.76         | 120.68        | 11.70        |                  |
| 20:00        | 2.26         | 2.87         | 3.33         | 5.11         | 7.86         | 7.45        | n/a            | n/a             | 0.91        | 2.62        | 12.36        | 14.97        | 108.69        | 11.87        |                  |
| 21:00        | 7.46         | 8.79         | 9.84         | 14.65        | 22.14        | 7.45        | n/a            | n/a             | 0.73        | 4.61        | 27.55        | 32.14        | 85.10         | 12.04        |                  |
| 22:00        | 39.30        | 41.43        | 43.03        | 48.85        | 57.54        | 7.45        | n/a            | n/a             | 1.18        | 6.54        | 51.71        | 58.26        | 48.20         | 12.41        |                  |
| 23:00        | 29.55        | 31.58        | 33.00        | 38.59        | 47.28        | 7.45        | n/a            | n/a             | 1.41        | 4.35        | 29.17        | 33.51        | 62.05         | 11.84        |                  |
| 24:00        | 36.70        | 38.90        | 40.54        | 45.85        | 52.05        | 7.45        | n/a            | n/a             | 1.54        | 8.25        | 50.23        | 58.48        | 30.22         | 11.95        |                  |
| <b>Min</b>   | <b>1.59</b>  | <b>2.05</b>  | <b>2.36</b>  | <b>3.68</b>  | <b>4.81</b>  | <b>7.45</b> | <b>0.00</b>    | <b>0.00</b>     | <b>0.16</b> | <b>1.14</b> | <b>1.98</b>  | <b>3.78</b>  | <b>30.22</b>  | <b>11.37</b> |                  |
| <b>Max</b>   | <b>39.30</b> | <b>41.43</b> | <b>43.03</b> | <b>48.85</b> | <b>57.54</b> | <b>7.45</b> | <b>0.00</b>    | <b>0.00</b>     | <b>1.54</b> | <b>8.25</b> | <b>51.71</b> | <b>58.48</b> | <b>121.51</b> | <b>12.41</b> |                  |
| <b>Medie</b> | <b>6.83</b>  | <b>7.64</b>  | <b>8.29</b>  | <b>10.52</b> | <b>14.37</b> | <b>7.45</b> | <b>#DIV/0!</b> | <b>#DIV/0!</b>  | <b>0.37</b> | <b>2.60</b> | <b>9.86</b>  | <b>12.45</b> | <b>98.29</b>  | <b>11.68</b> |                  |

**Indice specific privind calitatea aerului in Municipiul Sebes - ORDIN 1818/2020**

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 1 |
| Dioxid de azot (NO2)           | 2 |
| Dioxid de sulf (SO2)           | 1 |
| Ozon (O3)                      | 3 |
| Particule in suspensie (PM10)  | 1 |

|   |               |
|---|---------------|
| 1 | Bun           |
| 2 | Acceptabil    |
| 3 | Moderat       |
| 4 | Rau           |
| 5 | Foarte rau    |
| 6 | Extrem de rau |

|                       |   |
|-----------------------|---|
| Indice zilnic general | 3 |
|-----------------------|---|

\*Metoda de determinare utilizată de analizoarele ce compun sistemul este metoda automată

**Limite maxime admise**

|                              |   |                |
|------------------------------|---|----------------|
| Monoxid de carbon - (CO)     | 10 mg/mc - valoarea maxima zilnica a mediilor pe 8 ore  | Legea 104/2011 |
| Ozon - (O3)                  | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO2)        | 200 µg/mc limita orara ; 40 µg/mc limita anuala         | Legea 104/2011 |
| Dioxid de sulf - (SO2)       | 350 µg/mc limita orara ; 125 µg/mc limita zilnica       | Legea 104/2011 |
| Pulberi in suspensie (PM10)  | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ;      | Legea 104/2011 |
| Pulberi in suspensie (PM2.5) | 20 µg/mc limita anuala                                  | Legea 104/2011 |
| Benzen - (C6H6)              | 5 µg/mc limita anuala                                   | Legea 104/2011 |
| Formaldehida - (CHOH)        | 0.012 mg/mc media la 24 h                               | STAS 12574/87  |

\*n/a - Date nevalidate