

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
21 MARTIE 2025**



**DATE CALITATE AER MUNICIPIUL SEBES -**

**SISTEM PROPRIU DE MASURARE -Municipiul Sebeș**

Valori medii orare

| Time         | PM1          | PM2.5        | PM4          | PM10         | PMtot         | Benzen      | Toluen      | Etil-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         | 43.99        | 46.35        | 47.84        | 50.19        | 52.90         | 2.95        | 1.71        | 0.56         | 0.85        | 2.55         | 9.29         | 11.86        | 32.92        | 8.32        | N/A              |
| 2:00         | 29.23        | 30.67        | 31.71        | 33.62        | 36.07         | 2.35        | 1.86        | 1.08         | 0.73        | 2.60         | 9.83         | 12.45        | 32.65        | 8.25        |                  |
| 3:00         | 45.45        | 47.39        | 48.78        | 51.82        | 55.29         | 3.91        | 4.38        | 11.22        | 0.93        | 2.78         | 10.07        | 12.87        | 18.63        | 8.18        |                  |
| 4:00         | 33.01        | 34.36        | 35.31        | 37.07        | 39.04         | 3.53        | 2.19        | 1.14         | 0.65        | 2.79         | 10.56        | 13.36        | 21.02        | 8.18        |                  |
| 5:00         | 24.12        | 25.49        | 26.68        | 28.93        | 31.66         | 1.74        | 1.75        | 1.02         | 0.59        | 3.19         | 11.31        | 14.51        | 15.67        | 8.15        |                  |
| 6:00         | 26.45        | 27.72        | 29.02        | 31.06        | 33.60         | 2.21        | 1.89        | 0.92         | 0.57        | 3.93         | 12.53        | 16.48        | 11.05        | 8.12        |                  |
| 7:00         | 28.20        | 30.65        | 32.91        | 39.65        | 51.22         | 2.57        | 1.73        | 0.69         | 0.69        | 8.06         | 16.22        | 24.31        | 7.21         | 8.43        |                  |
| 8:00         | 46.11        | 50.46        | 54.25        | 67.87        | 85.69         | 5.95        | 3.26        | 0.90         | 0.88        | 16.90        | 19.96        | 36.88        | 7.17         | 8.97        |                  |
| 9:00         | 32.92        | 36.01        | 38.90        | 49.07        | 64.88         | 2.71        | 1.79        | 0.65         | 0.49        | 25.86        | 23.25        | 49.04        | 21.14        | 8.63        |                  |
| 10:00        | 21.88        | 23.86        | 25.67        | 32.07        | 41.31         | 1.53        | 1.00        | 0.47         | 0.32        | 17.18        | 24.81        | 42.01        | 40.81        | 8.43        |                  |
| 11:00        | 15.86        | 17.43        | 18.78        | 25.18        | 35.93         | 1.36        | n/a         | n/a          | 0.26        | 8.40         | 25.32        | 33.76        | 51.31        | 8.25        |                  |
| 12:00        | 10.50        | 11.93        | 13.37        | 18.70        | 27.36         | 0.87        | 0.86        | 1.16         | 0.22        | 4.04         | 23.10        | 27.17        | 66.75        | 8.15        |                  |
| 13:00        | 7.22         | 8.30         | 9.38         | 12.87        | 18.68         | 0.71        | 2.84        | 0.53         | 0.19        | 3.10         | 18.95        | 22.07        | 77.34        | 8.34        |                  |
| 14:00        | 6.94         | 8.04         | 8.98         | 13.65        | 22.47         | 0.67        | 1.90        | 1.24         | 0.19        | 2.81         | 15.04        | 17.88        | 80.16        | 8.18        |                  |
| 15:00        | 5.93         | 7.11         | 8.16         | 12.82        | 19.63         | 0.59        | 1.66        | 0.50         | 0.18        | 2.40         | 12.42        | 14.83        | 83.82        | 8.18        |                  |
| 16:00        | 5.20         | 6.08         | 6.98         | 9.74         | 14.21         | 0.54        | 0.68        | 0.44         | 0.18        | 2.30         | 10.47        | 12.77        | 86.18        | 8.19        |                  |
| 17:00        | 4.92         | 5.82         | 6.75         | 9.52         | 13.78         | 0.62        | 0.61        | 0.46         | 0.18        | 2.35         | 9.08         | 11.45        | 85.89        | 8.25        |                  |
| 18:00        | 10.23        | 11.59        | 12.89        | 17.96        | 26.66         | 1.35        | 0.79        | 1.41         | 0.29        | 2.63         | 8.13         | 10.77        | 82.41        | 8.42        |                  |
| 19:00        | 36.58        | 42.43        | 47.55        | 78.11        | 122.04        | 9.96        | 3.07        | 2.07         | 0.92        | 3.52         | 9.25         | 12.78        | 34.18        | 9.25        |                  |
| 20:00        | 48.17        | 51.76        | 54.58        | 67.15        | 87.33         | 4.68        | 2.62        | 2.70         | 0.85        | 4.84         | 13.99        | 18.87        | 32.60        | 9.06        |                  |
| 21:00        | 27.39        | 29.41        | 31.01        | 36.13        | 44.40         | 3.72        | 1.70        | 1.81         | 0.67        | 3.41         | 14.96        | 18.39        | 47.27        | 8.45        |                  |
| 22:00        | 45.98        | 48.39        | 50.17        | 56.22        | 64.95         | 5.52        | n/a         | 1.98         | 0.91        | 2.89         | 13.20        | 16.10        | 42.98        | 8.68        |                  |
| 23:00        | 49.53        | 52.25        | 54.42        | 60.24        | 68.70         | 5.29        | 2.58        | 0.83         | 0.94        | 3.20         | 12.95        | 16.16        | 29.02        | 8.96        |                  |
| 24:00        | 43.54        | 45.48        | 46.93        | 50.64        | 55.88         | 6.66        | 2.57        | 0.78         | 0.89        | 3.57         | 14.57        | 18.15        | 32.92        | 8.61        |                  |
| <b>Min</b>   | <b>4.92</b>  | <b>5.82</b>  | <b>6.75</b>  | <b>9.52</b>  | <b>13.78</b>  | <b>0.54</b> | <b>0.61</b> | <b>0.44</b>  | <b>0.18</b> | <b>2.30</b>  | <b>8.13</b>  | <b>10.77</b> | <b>7.17</b>  | <b>8.12</b> |                  |
| <b>Max</b>   | <b>49.53</b> | <b>52.25</b> | <b>54.58</b> | <b>78.11</b> | <b>122.04</b> | <b>9.96</b> | <b>4.38</b> | <b>11.22</b> | <b>0.94</b> | <b>25.86</b> | <b>25.32</b> | <b>49.04</b> | <b>86.18</b> | <b>9.25</b> |                  |
| <b>Medie</b> | <b>27.06</b> | <b>29.12</b> | <b>30.88</b> | <b>37.10</b> | <b>46.40</b>  | <b>3.00</b> | <b>1.97</b> | <b>1.50</b>  | <b>0.57</b> | <b>5.64</b>  | <b>14.55</b> | <b>20.21</b> | <b>43.38</b> | <b>8.44</b> |                  |

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 4 |
| Dioxid de azot (NO2)           | 1 |
| Dioxid de sulf (SO2)           | 1 |
| Ozon (O3)                      | 2 |
| Particule in suspensie (PM10)  | 2 |

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

|                       |   |
|-----------------------|---|
| Indice zilnic general | 4 |
|-----------------------|---|

\*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 - Analizor trimis la producător pentru calibrare și update firmware