

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
23 IANUARIE 2026**

**DATE CALITATE AER MUNICIPIUL SEBES -**

**SISTEM PROPRIU DE MASURARE -Municipiul Sebeş**

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         | 149.36        | 152.24        | 153.42        | 154.84        | 156.65        | 12.37        | 4.87         | 0.83        | 2.13        | 7.08         | 50.09        | 57.17         | 3.68         | 9.38         | N/A              |
| 2:00         | 185.23        | 188.88        | 189.97        | 191.61        | 193.98        | 13.58        | 6.04         | 0.96        | 2.45        | 8.20         | 54.82        | 63.02         | 1.22         | 9.35         |                  |
| 3:00         | 144.00        | 147.04        | 148.27        | 149.60        | 151.26        | 9.21         | 3.61         | 0.75        | 1.99        | 8.16         | 50.78        | 58.93         | 1.97         | 9.55         |                  |
| 4:00         | 131.73        | 134.65        | 135.74        | 137.15        | 138.92        | 9.86         | 3.72         | 0.80        | 1.65        | 8.49         | 64.87        | 73.36         | 1.09         | 9.30         |                  |
| 5:00         | 135.45        | 138.36        | 139.52        | 140.73        | 142.18        | 9.95         | 4.27         | 0.78        | 1.70        | 6.36         | 60.74        | 67.11         | 1.00         | 9.54         |                  |
| 6:00         | 138.87        | 141.83        | 142.96        | 144.71        | 146.81        | 11.60        | 4.83         | 0.85        | 1.88        | 19.29        | 57.86        | 77.15         | 1.78         | 9.73         |                  |
| 7:00         | 134.73        | 137.71        | 138.78        | 140.94        | 143.16        | 13.68        | 5.40         | 0.93        | 1.61        | 32.86        | 61.11        | 93.97         | 1.61         | 9.76         |                  |
| 8:00         | 126.93        | 129.84        | 130.99        | 133.11        | 135.50        | 9.33         | 3.75         | 0.77        | 1.51        | 50.08        | 70.01        | 120.08        | 1.96         | 10.15        |                  |
| 9:00         | 132.20        | 135.29        | 136.53        | 139.11        | 142.66        | 11.96        | 4.88         | 0.85        | 1.66        | 58.60        | 70.13        | 128.73        | 1.69         | 10.18        |                  |
| 10:00        | 178.35        | 182.33        | 183.82        | 186.46        | 189.66        | 14.00        | 5.60         | 0.95        | 2.07        | 34.83        | 66.83        | 101.67        | 2.96         | 9.75         |                  |
| 11:00        | 172.96        | 177.81        | 179.71        | 182.29        | 185.83        | 11.55        | 4.49         | 0.79        | 1.65        | 22.35        | 54.98        | 77.34         | 10.98        | 9.74         |                  |
| 12:00        | 98.65         | 101.57        | 102.87        | 105.10        | 108.05        | 5.14         | 2.01         | 0.45        | 0.93        | 10.70        | 31.97        | 42.67         | 24.25        | 9.55         |                  |
| 13:00        | 75.66         | 78.03         | 79.23         | 81.62         | 84.04         | 4.83         | 2.50         | 0.48        | 0.77        | 8.41         | 28.59        | 37.01         | 29.45        | 9.42         |                  |
| 14:00        | 47.99         | 49.52         | 50.40         | 52.24         | 55.31         | 2.91         | 19.24        | 1.47        | 0.58        | 3.41         | 15.46        | 18.88         | 37.81        | 9.49         |                  |
| 15:00        | 47.31         | 48.99         | 50.05         | 52.12         | 54.60         | 2.72         | 2.05         | 0.42        | 0.56        | 5.88         | 20.28        | 26.16         | 36.76        | 9.26         |                  |
| 16:00        | 58.83         | 60.54         | 61.46         | 63.13         | 64.92         | 4.54         | 3.19         | 0.62        | 0.67        | 3.19         | 18.37        | 21.55         | 42.98        | 8.93         |                  |
| 17:00        | 73.35         | 75.51         | 76.77         | 79.28         | 82.09         | 7.29         | 3.27         | 0.63        | 0.98        | 11.40        | 43.31        | 54.71         | 29.66        | 10.71        |                  |
| 18:00        | 129.95        | 133.04        | 134.59        | 139.54        | 146.17        | 13.75        | 10.91        | 1.63        | 1.66        | 30.18        | 85.15        | 115.32        | 5.48         | 10.49        |                  |
| 19:00        | 147.17        | 150.18        | 151.60        | 153.82        | 156.62        | 15.98        | 10.61        | 1.45        | 2.24        | 28.21        | 77.97        | 106.18        | 2.59         | 9.62         |                  |
| 20:00        | 182.03        | 185.51        | 186.92        | 189.43        | 191.83        | 27.49        | 11.15        | 1.53        | 2.91        | 60.96        | 80.85        | 141.80        | 1.91         | 9.82         |                  |
| 21:00        | 165.99        | 168.80        | 169.87        | 171.74        | 173.77        | 17.64        | 7.48         | 1.17        | 2.51        | 20.48        | 62.73        | 83.21         | 1.93         | 9.87         |                  |
| 22:00        | 167.38        | 170.04        | 171.20        | 173.19        | 176.01        | 14.94        | 6.51         | 1.08        | 2.62        | 14.67        | 57.56        | 72.24         | 3.40         | 9.81         |                  |
| 23:00        | 200.75        | 204.30        | 205.43        | 207.43        | 209.15        | 23.52        | 9.43         | 1.37        | 2.73        | 21.01        | 56.36        | 77.37         | 1.95         | 9.84         |                  |
| 24:00        | 162.81        | 165.49        | 166.48        | 168.33        | 170.60        | 16.96        | 8.25         | 1.21        | 2.51        | 17.61        | 49.25        | 66.86         | 3.16         | 9.66         |                  |
| <b>Min</b>   | <b>47.31</b>  | <b>48.99</b>  | <b>50.05</b>  | <b>52.12</b>  | <b>54.60</b>  | <b>2.72</b>  | <b>2.01</b>  | <b>0.42</b> | <b>0.56</b> | <b>3.19</b>  | <b>15.46</b> | <b>18.88</b>  | <b>1.00</b>  | <b>8.93</b>  |                  |
| <b>Max</b>   | <b>200.75</b> | <b>204.30</b> | <b>205.43</b> | <b>207.43</b> | <b>209.15</b> | <b>27.49</b> | <b>19.24</b> | <b>1.63</b> | <b>2.91</b> | <b>60.96</b> | <b>85.15</b> | <b>141.80</b> | <b>42.98</b> | <b>10.71</b> |                  |
| <b>Medie</b> | <b>132.82</b> | <b>135.73</b> | <b>136.94</b> | <b>139.06</b> | <b>141.66</b> | <b>11.87</b> | <b>6.17</b>  | <b>0.95</b> | <b>1.75</b> | <b>20.52</b> | <b>53.75</b> | <b>74.27</b>  | <b>10.47</b> | <b>9.70</b>  |                  |

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 6 |
| Dioxid de azot (NO2)           | 2 |
| Dioxid de sulf (SO2)           | 2 |
| Ozon (O3)                      | 1 |
| Particule in suspensie (PM10)  | 5 |

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

|                       |   |
|-----------------------|---|
| Indice zilnic general | 6 |
|-----------------------|---|

\*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 - Analizorul de formaldehidă (CHOH) trimis in Finlanda pentru calibrare în laborator