

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
20 DECEMBRIE 2025**

**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 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         | 51.10         | 52.82         | 54.09         | 55.40         | 56.52         | 5.32         | 2.86        | 0.58        | 0.95        | 5.25         | 12.33        | 17.58        | 3.54        | 7.34        | N/A           |
| 2:00         | 84.70         | 87.53         | 89.36         | 92.67         | 96.60         | 8.05         | n/a         | n/a         | 1.50        | 38.95        | 20.71        | 59.66        | 0.04        | 7.49        |               |
| 3:00         | 74.98         | 77.21         | 78.68         | 80.09         | 81.23         | 7.15         | 4.52        | 0.75        | 1.43        | 24.44        | 17.56        | 42.01        | 0.37        | 7.29        |               |
| 4:00         | 58.19         | 59.96         | 61.18         | 62.52         | 63.97         | 4.83         | 3.20        | 0.71        | 1.17        | 14.87        | 14.80        | 29.67        | 0.18        | 7.30        |               |
| 5:00         | 66.51         | 69.53         | 71.16         | 73.54         | 76.09         | 5.99         | 3.99        | 0.70        | 1.16        | 22.01        | 13.40        | 35.40        | 0.48        | 7.27        |               |
| 6:00         | 48.31         | 50.14         | 51.16         | 52.25         | 53.22         | 3.34         | 2.32        | 0.54        | 0.90        | 11.86        | 12.75        | 24.60        | 0.42        | 7.05        |               |
| 7:00         | 54.55         | 56.69         | 58.19         | 60.44         | 63.67         | 4.70         | 9.59        | 1.61        | 1.05        | 39.39        | 15.02        | 54.41        | 0.69        | 7.18        |               |
| 8:00         | 54.07         | 56.99         | 58.98         | 61.95         | 65.44         | 4.43         | 3.17        | 0.57        | 0.88        | 35.58        | 17.57        | 53.15        | 0.66        | 7.33        |               |
| 9:00         | 69.28         | 72.56         | 74.31         | 76.14         | 78.28         | 6.21         | 3.46        | 0.63        | 1.11        | 50.93        | 18.26        | 69.19        | 0.52        | 7.60        |               |
| 10:00        | 68.82         | 71.78         | 72.88         | 74.38         | 76.73         | 5.74         | 3.51        | 0.63        | 0.90        | 54.23        | 18.32        | 72.56        | 0.32        | 7.75        |               |
| 11:00        | 50.93         | 52.77         | 53.41         | 53.84         | 54.38         | 5.23         | 2.38        | 0.48        | 0.73        | 21.87        | 17.20        | 39.06        | 0.99        | 7.52        |               |
| 12:00        | 36.24         | 37.14         | 37.51         | 38.11         | 39.40         | 2.30         | 1.51        | 0.41        | 0.53        | 15.52        | 14.17        | 29.69        | 3.37        | 7.41        |               |
| 13:00        | 33.57         | 34.33         | 34.70         | 35.35         | 36.04         | 2.65         | 1.47        | 0.34        | 0.60        | 15.33        | 15.04        | 30.38        | 4.70        | 7.49        |               |
| 14:00        | 35.22         | 36.43         | 37.11         | 38.21         | 39.37         | 2.24         | 1.27        | 0.36        | 0.52        | 10.81        | 14.14        | 24.95        | 5.96        | 7.34        |               |
| 15:00        | 60.23         | 62.80         | 64.17         | 66.59         | 69.91         | 4.47         | 2.29        | 0.49        | 0.89        | 22.40        | 22.83        | 45.24        | 4.07        | 7.58        |               |
| 16:00        | 66.16         | 69.26         | 70.91         | 74.10         | 78.71         | 4.14         | 2.38        | 0.49        | 0.85        | 26.87        | 25.13        | 51.99        | 3.09        | 7.67        |               |
| 17:00        | 50.58         | 52.30         | 52.99         | 53.98         | 55.38         | 3.64         | 1.95        | 0.46        | 0.72        | 23.62        | 30.40        | 54.02        | 0.86        | 7.56        |               |
| 18:00        | 38.47         | 39.37         | 39.69         | 39.92         | 40.48         | 4.37         | 2.08        | 0.46        | 0.73        | 20.34        | 28.15        | 48.49        | 0.10        | 7.54        |               |
| 19:00        | 54.75         | 55.75         | 56.01         | 56.18         | 56.69         | 6.52         | 2.64        | 0.58        | 1.13        | 25.90        | 27.72        | 53.61        | 0.26        | 7.67        |               |
| 20:00        | 87.32         | 89.55         | 90.11         | 90.68         | 91.58         | 5.93         | 3.01        | 0.64        | 1.54        | 32.64        | 27.13        | 59.77        | 0.52        | 7.77        |               |
| 21:00        | 69.10         | 70.75         | 71.39         | 71.85         | 72.22         | 8.33         | 3.86        | 0.75        | 1.35        | 29.04        | 26.41        | 55.44        | 0.60        | 7.60        |               |
| 22:00        | 92.41         | 94.32         | 94.81         | 95.30         | 96.45         | 13.27        | 5.14        | 0.92        | 1.87        | 38.12        | 25.44        | 63.57        | 0.42        | 7.56        |               |
| 23:00        | 120.03        | 122.42        | 123.04        | 123.44        | 124.36        | 14.51        | 5.59        | 1.00        | 2.35        | 39.13        | 22.67        | 61.80        | 0.39        | 7.63        |               |
| 24:00        | 120.60        | 122.80        | 123.29        | 123.50        | 123.78        | 14.75        | 6.13        | 1.06        | 2.22        | 39.93        | 22.08        | 62.00        | 0.49        | 7.56        |               |
| <b>Min</b>   | <b>33.57</b>  | <b>34.33</b>  | <b>34.70</b>  | <b>35.35</b>  | <b>36.04</b>  | <b>2.24</b>  | <b>1.27</b> | <b>0.34</b> | <b>0.52</b> | <b>5.25</b>  | <b>12.33</b> | <b>17.58</b> | <b>0.04</b> | <b>7.05</b> |               |
| <b>Max</b>   | <b>120.60</b> | <b>122.80</b> | <b>123.29</b> | <b>123.50</b> | <b>124.36</b> | <b>14.75</b> | <b>9.59</b> | <b>1.61</b> | <b>2.35</b> | <b>54.23</b> | <b>30.40</b> | <b>72.56</b> | <b>5.96</b> | <b>7.77</b> |               |
| <b>Medie</b> | <b>64.42</b>  | <b>66.47</b>  | <b>67.46</b>  | <b>68.77</b>  | <b>70.44</b>  | <b>6.17</b>  | <b>3.41</b> | <b>0.66</b> | <b>1.13</b> | <b>27.46</b> | <b>19.97</b> | <b>47.43</b> | <b>1.38</b> | <b>7.48</b> |               |

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

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

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

|                       |   |
|-----------------------|---|
| Indice zilnic general | 5 |
|-----------------------|---|

\*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