

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES**  
**18 OCTOMBRIE 2020**



**DATE CALITATE AER MUNICIPIUL SEBES -**  
**SISTEM PROPRIU DE MASURARE - Amplasament: SEBES , str. Viilor nr. 8**  
**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         | 7.60         | 7.99         | 8.47         | 8.95         | 9.27         | 0.66        | 0.91        | 1.72        | 0.42        | 1.83        | 3.00         | 5.79         | 26.63        | 6.11        | < 0.001       |
| 2:00         | 6.33         | 6.71         | 7.13         | 7.80         | 8.23         | 0.54        | 0.74        | 1.66        | 0.41        | 1.85        | 2.67         | 5.50         | 27.93        | 6.24        |               |
| 3:00         | 6.45         | 6.76         | 7.15         | 7.62         | 8.00         | 0.56        | 0.73        | 1.78        | 0.39        | 1.67        | 1.99         | 4.53         | 29.59        | 6.35        |               |
| 4:00         | 5.80         | 6.07         | 6.43         | 7.01         | 7.57         | 0.48        | 0.69        | 1.73        | 0.39        | 1.72        | 1.60         | 4.21         | 31.14        | 6.21        |               |
| 5:00         | 7.39         | 7.66         | 7.98         | 8.44         | 8.84         | 0.51        | 0.65        | 1.56        | 0.40        | 1.73        | 1.95         | 4.57         | 29.52        | 6.12        |               |
| 6:00         | 6.58         | 6.81         | 7.10         | 7.55         | 7.93         | 0.41        | 0.59        | 1.57        | 0.38        | 1.69        | 1.40         | 3.95         | 32.92        | 5.79        |               |
| 7:00         | 5.54         | 5.85         | 6.26         | 7.07         | 7.75         | 0.37        | n/a         | n/a         | 0.37        | 1.80        | 1.54         | 4.27         | 32.31        | 5.76        |               |
| 8:00         | 8.62         | 9.00         | 9.47         | 10.35        | 11.27        | 0.87        | 0.72        | 1.34        | 0.38        | 1.98        | 2.55         | 5.56         | 25.89        | 5.77        |               |
| 9:00         | 9.70         | 10.09        | 10.54        | 11.49        | 12.60        | 1.00        | 0.75        | 1.30        | 0.43        | 2.20        | 3.18         | 6.54         | 23.20        | 5.87        |               |
| 10:00        | 9.45         | 9.78         | 10.10        | 10.94        | 11.99        | 0.69        | 0.72        | 1.27        | 0.41        | 2.42        | 2.96         | 6.67         | 23.47        | 6.01        |               |
| 11:00        | 10.63        | 11.06        | 11.48        | 12.79        | 14.42        | 0.77        | 0.78        | 1.33        | 0.41        | 2.87        | 3.82         | 8.21         | 22.50        | 6.12        |               |
| 12:00        | 10.34        | 10.78        | 11.26        | 12.20        | 13.01        | 0.65        | 0.77        | 1.49        | 0.42        | 3.16        | 3.59         | 8.41         | 23.44        | 6.09        |               |
| 13:00        | 10.51        | 10.99        | 11.49        | 12.54        | 14.04        | 0.52        | 0.87        | 1.52        | 0.39        | 3.21        | 3.37         | 8.27         | 28.87        | 6.24        |               |
| 14:00        | 10.96        | 11.42        | 11.84        | 12.89        | 14.38        | 0.41        | 0.50        | 1.19        | 0.38        | 2.63        | 3.11         | 7.13         | 33.57        | 6.11        |               |
| 15:00        | 10.23        | 10.65        | 11.06        | 11.82        | 12.70        | 0.35        | 0.62        | 1.31        | 0.37        | 2.50        | 3.87         | 7.70         | 37.56        | 5.77        |               |
| 16:00        | 9.46         | 9.94         | 10.45        | 11.40        | 12.11        | 0.34        | 0.74        | 1.43        | 0.37        | 2.79        | 5.50         | 9.78         | 37.55        | 6.34        |               |
| 17:00        | 9.17         | 9.64         | 10.08        | 11.51        | 13.02        | 0.37        | 0.75        | 1.46        | 0.36        | 2.59        | 5.75         | 9.70         | 37.85        | 6.62        |               |
| 18:00        | 7.96         | 8.43         | 8.91         | 10.37        | 12.17        | 0.72        | 1.02        | 1.71        | 0.38        | 2.80        | 7.81         | 12.09        | 36.06        | 6.49        |               |
| 19:00        | 8.95         | 9.52         | 10.13        | 11.72        | 13.97        | 0.48        | 0.90        | 1.41        | 0.40        | 2.92        | 9.64         | 14.10        | 31.71        | 6.65        |               |
| 20:00        | 11.40        | 11.85        | 12.25        | 13.33        | 14.67        | 1.38        | 0.84        | 1.62        | 0.43        | 2.41        | 5.75         | 9.42         | 33.76        | 6.54        |               |
| 21:00        | 10.00        | 10.48        | 11.02        | 12.17        | 14.29        | 1.34        | 0.84        | 1.41        | 0.44        | 2.22        | 5.19         | 8.59         | 31.14        | 6.39        |               |
| 22:00        | 10.84        | 11.35        | 11.88        | 13.31        | 15.44        | 0.77        | 1.11        | 1.38        | 0.44        | 3.55        | 12.28        | 17.70        | 24.36        | 6.42        |               |
| 23:00        | 24.60        | 25.35        | 26.10        | 28.19        | 30.68        | 1.44        | 1.32        | 1.34        | 0.56        | 3.46        | 17.85        | 23.15        | 12.31        | 6.99        |               |
| 24:00        | 16.60        | 17.22        | 17.90        | 19.49        | 21.35        | 0.60        | 1.20        | 1.27        | 0.44        | 2.38        | 12.86        | 16.50        | 18.11        | 6.82        |               |
| <b>Min</b>   | <b>5.54</b>  | <b>5.85</b>  | <b>6.26</b>  | <b>7.01</b>  | <b>7.57</b>  | <b>0.34</b> | <b>0.50</b> | <b>1.19</b> | <b>0.36</b> | <b>1.67</b> | <b>1.40</b>  | <b>3.95</b>  | <b>12.31</b> | <b>5.76</b> |               |
| <b>Max</b>   | <b>24.60</b> | <b>25.35</b> | <b>26.10</b> | <b>28.19</b> | <b>30.68</b> | <b>1.44</b> | <b>1.32</b> | <b>1.78</b> | <b>0.56</b> | <b>3.55</b> | <b>17.85</b> | <b>23.15</b> | <b>37.85</b> | <b>6.99</b> |               |
| <b>Medie</b> | <b>9.80</b>  | <b>10.23</b> | <b>10.69</b> | <b>11.71</b> | <b>12.90</b> | <b>0.68</b> | <b>0.82</b> | <b>1.47</b> | <b>0.41</b> | <b>2.43</b> | <b>5.13</b>  | <b>8.85</b>  | <b>28.81</b> | <b>6.24</b> |               |

**Indice privind calitatea aerului in Municipiul Sebes - Ordin 1095/2007**

|                             |   |
|-----------------------------|---|
| Monoxid de Carbon (CO)      | 1 |
| Dioxid de azot (NO2)        | 1 |
| Dioxid de sulf (SO2)        | 1 |
| Ozon (O3)                   | 1 |
| Pulberi in suspensie (PM10) | 2 |

|   |            |
|---|------------|
| 1 | Excelent   |
| 2 | Foarte bun |
| 3 | Bun        |
| 4 | Mediu      |
| 5 | Rau        |
| 6 | Foarte rau |

|                       |   |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

sld-sub limita de detectie

\*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  |