

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
20 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         | 24.73         | 26.22         | 27.50         | 29.46         | 31.53         | 1.80         | 1.40         | 1.54        | 0.64        | 49.66        | 26.05        | 101.93        | 1.40         | 7.05         | 0.002         |
| 2:00         | 20.64         | 22.05         | 23.19         | 25.05         | 27.24         | 1.30         | 1.15         | 1.26        | 0.57        | 39.80        | 23.62        | 84.44         | 1.22         | 6.46         |               |
| 3:00         | 19.14         | 20.77         | 22.01         | 23.72         | 25.70         | 1.11         | 0.96         | 1.28        | 0.53        | 38.13        | 20.92        | 79.19         | 1.04         | 6.27         |               |
| 4:00         | 16.24         | 17.50         | 18.53         | 20.07         | 21.83         | 0.99         | 0.78         | 1.01        | 0.50        | 27.86        | 18.88        | 61.45         | 1.28         | 5.97         |               |
| 5:00         | 22.15         | 23.99         | 25.18         | 26.86         | 28.57         | 1.20         | 0.98         | 1.05        | 0.52        | 32.29        | 17.70        | 67.04         | 1.77         | 6.99         |               |
| 6:00         | 17.29         | 18.18         | 18.93         | 20.62         | 23.06         | 1.31         | 0.96         | 0.98        | 0.52        | 33.37        | 18.03        | 69.02         | 1.70         | 7.34         |               |
| 7:00         | 18.68         | 19.60         | 20.45         | 21.99         | 24.11         | 1.23         | 0.87         | 0.95        | 0.50        | 50.77        | 15.96        | 93.53         | 1.73         | 7.68         |               |
| 8:00         | 14.60         | 15.47         | 16.37         | 18.80         | 22.24         | 0.96         | 0.76         | 0.88        | 0.49        | 61.31        | 19.04        | 112.72        | 1.63         | 7.90         |               |
| 9:00         | 31.35         | 32.66         | 33.80         | 36.71         | 40.70         | 2.68         | 1.32         | 0.94        | 0.60        | 62.83        | 18.93        | 114.93        | 2.41         | 8.07         |               |
| 10:00        | 21.97         | 23.43         | 24.88         | 28.33         | 31.95         | 1.84         | 1.13         | 1.28        | 0.53        | 44.34        | 17.76        | 85.51         | 3.30         | 7.53         |               |
| 11:00        | 15.71         | 16.82         | 17.97         | 21.43         | 26.68         | 0.83         | 0.73         | 0.65        | 0.44        | 22.57        | 15.51        | 50.00         | 8.46         | 6.86         |               |
| 12:00        | 14.50         | 15.25         | 15.96         | 17.63         | 19.83         | 0.60         | 0.63         | 0.75        | 0.41        | 7.16         | 8.08         | 19.02         | 18.58        | 5.85         |               |
| 13:00        | 10.51         | 11.03         | 11.61         | 13.08         | 15.24         | 0.31         | 0.55         | 0.84        | 0.38        | 2.76         | 3.43         | 7.63          | 29.87        | 5.80         |               |
| 14:00        | 9.93          | 10.53         | 11.16         | 13.45         | 16.48         | 0.33         | 0.52         | 1.04        | 0.38        | 2.61         | 3.18         | 7.18          | 35.66        | 5.98         |               |
| 15:00        | 10.37         | 10.97         | 11.48         | 13.39         | 15.95         | 0.41         | 0.40         | 1.24        | 0.37        | 2.36         | 3.00         | 6.60          | 40.05        | 6.36         |               |
| 16:00        | 6.90          | 7.41          | 7.93          | 9.78          | 13.01         | 0.30         | 0.39         | 1.20        | 0.36        | 2.08         | 2.82         | 5.99          | 45.41        | 6.73         |               |
| 17:00        | 7.49          | 8.04          | 8.60          | 10.44         | 12.18         | 0.34         | n/a          | n/a         | 0.35        | 2.09         | 4.49         | 7.67          | 45.41        | 6.37         |               |
| 18:00        | 11.45         | 12.15         | 12.93         | 14.87         | 17.70         | 0.81         | 0.64         | 1.49        | 0.44        | 2.33         | 8.44         | 11.99         | 40.96        | 6.56         |               |
| 19:00        | 34.98         | 37.49         | 39.49         | 48.72         | 60.58         | 1.21         | 1.13         | 1.56        | 0.88        | 5.70         | 28.86        | 37.57         | 18.45        | 8.41         |               |
| 20:00        | 142.80        | 152.48        | 160.48        | 187.47        | 222.22        | 30.11        | 10.32        | 3.23        | 1.88        | 16.32        | 43.01        | 67.95         | 4.62         | 11.45        |               |
| 21:00        | 147.35        | 154.81        | 160.93        | 184.40        | 213.47        | 22.06        | 10.43        | 3.45        | 1.84        | 33.75        | 38.39        | 89.96         | 3.07         | 8.60         |               |
| 22:00        | 42.31         | 44.72         | 46.80         | 54.19         | 65.99         | 3.97         | 2.27         | 1.86        | 0.84        | 47.32        | 35.26        | 107.56        | 1.45         | 7.55         |               |
| 23:00        | 35.98         | 37.68         | 39.18         | 43.52         | 48.74         | 3.14         | 2.00         | 1.84        | 0.78        | 65.15        | 32.36        | 131.90        | 1.19         | 7.48         |               |
| 24:00        | 32.83         | 34.94         | 36.67         | 45.49         | 56.98         | 2.86         | 1.74         | 1.44        | 0.87        | 49.89        | 28.92        | 105.15        | 1.12         | 6.88         |               |
| <b>Min</b>   | <b>6.90</b>   | <b>7.41</b>   | <b>7.93</b>   | <b>9.78</b>   | <b>12.18</b>  | <b>0.30</b>  | <b>0.39</b>  | <b>0.65</b> | <b>0.35</b> | <b>2.08</b>  | <b>2.82</b>  | <b>5.99</b>   | <b>1.04</b>  | <b>5.80</b>  |               |
| <b>Max</b>   | <b>147.35</b> | <b>154.81</b> | <b>160.93</b> | <b>187.47</b> | <b>222.22</b> | <b>30.11</b> | <b>10.43</b> | <b>3.45</b> | <b>1.88</b> | <b>65.15</b> | <b>43.01</b> | <b>131.90</b> | <b>45.41</b> | <b>11.45</b> |               |
| <b>Medie</b> | <b>30.41</b>  | <b>32.26</b>  | <b>33.83</b>  | <b>38.73</b>  | <b>45.08</b>  | <b>3.40</b>  | <b>1.83</b>  | <b>1.38</b> | <b>0.65</b> | <b>29.27</b> | <b>18.86</b> | <b>63.58</b>  | <b>12.99</b> | <b>7.17</b>  |               |

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

|  |   |
|--|---|
| Monoxid de Carbon (CO)                   | 1 |
| Dioxid de azot (NO <sub>2</sub> )        | 1 |
| Dioxid de sulf (SO <sub>2</sub> )        | 1 |
| Ozon (O <sub>3</sub> )                   | 2 |
| Pulberi in suspensie (PM <sub>10</sub> ) | 4 |

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

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

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 - (O <sub>3</sub> )                  | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO <sub>2</sub> )        | 200 µg/mc limita orara ; 40 µg/mc limita anuala         | Legea 104/2011 |
| Dioxid de sulf - (SO <sub>2</sub> )       | 350 µg/mc limita orara ; 125 µg/mc limita zilnica       | Legea 104/2011 |
| Pulberi in suspensie (PM <sub>10</sub> )  | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ;      | Legea 104/2011 |
| Pulberi in suspensie (PM <sub>2.5</sub> ) | 20 µg/mc limita anuala                                  | Legea 104/2011 |
| Benzen - (C <sub>6</sub> H <sub>6</sub> ) | 5 µg/mc limita anuala                                   | Legea 104/2011 |
| Formaldehida - (CHOH)                     | 0.012 mg/mc media la 24 h                               | STAS 12574/87  |