

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
18 FEBRUARIE 2021**



**DATE CALITATE AER MUNICIPIUL SEBES -**

**SISTEM PROPRIU DE MASURARE - Kogalniceanu, nr. 114 A**

**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         | 26.67        | 27.90        | 28.78        | 31.38        | 35.68        | 1.62         | n/a          | n/a         | 0.88        | 4.70         | 24.94        | 32.11         | 27.81        | 15.65        | 0.005            |
| 2:00         | 26.76        | 27.96        | 28.84        | 30.89        | 33.00        | 1.29         | 0.81         | 0.33        | 0.88        | 4.43         | 23.99        | 30.76         | 27.34        | 14.43        |                  |
| 3:00         | 26.64        | 27.78        | 28.62        | 30.18        | 32.24        | 1.28         | 0.77         | 0.30        | 0.88        | 3.46         | 24.64        | 29.93         | 25.71        | 13.81        |                  |
| 4:00         | 27.44        | 28.53        | 29.29        | 30.68        | 32.09        | 1.34         | 0.79         | 0.34        | 0.88        | 4.62         | 29.74        | 36.81         | 19.43        | 13.70        |                  |
| 5:00         | 28.22        | 29.42        | 30.26        | 31.64        | 32.78        | 1.24         | 0.77         | 0.32        | 0.88        | 8.84         | 39.89        | 53.39         | 13.20        | 13.97        |                  |
| 6:00         | 32.95        | 35.08        | 36.59        | 40.89        | 46.96        | 1.96         | 1.52         | 0.56        | 0.88        | 21.35        | 44.25        | 76.86         | 9.26         | 14.65        |                  |
| 7:00         | 30.59        | 31.77        | 32.42        | 34.51        | 37.36        | 1.68         | 1.38         | 0.52        | 0.88        | 18.75        | 35.58        | 64.23         | 11.70        | 15.05        |                  |
| 8:00         | 33.37        | 35.01        | 36.06        | 39.16        | 43.69        | 2.03         | 1.52         | 0.52        | 0.89        | 22.75        | 33.38        | 68.14         | 14.02        | 14.87        |                  |
| 9:00         | 34.26        | 35.58        | 36.32        | 37.87        | 40.32        | 1.85         | 1.32         | 0.51        | 0.89        | 26.52        | 42.14        | 82.67         | 10.02        | 14.34        |                  |
| 10:00        | 35.84        | 37.36        | 38.28        | 40.13        | 42.41        | 2.08         | 1.41         | 0.56        | 0.90        | 33.53        | 44.43        | 95.66         | 9.71         | 14.99        |                  |
| 11:00        | 39.42        | 41.27        | 42.50        | 44.41        | 46.49        | 2.44         | 1.90         | 0.61        | 0.89        | 25.64        | 36.88        | 76.06         | 13.57        | 15.30        |                  |
| 12:00        | 36.72        | 38.59        | 39.59        | 41.90        | 45.08        | 1.81         | 1.45         | n/a         | 0.88        | 12.78        | 26.38        | 45.90         | 18.72        | 16.97        |                  |
| 13:00        | 42.82        | 44.99        | 46.37        | 49.67        | 54.04        | 3.03         | 2.09         | 0.66        | 0.89        | 20.00        | 36.56        | 67.12         | 13.27        | 15.24        |                  |
| 14:00        | 48.83        | 51.02        | 52.47        | 55.08        | 58.88        | 2.22         | 1.47         | 0.57        | 0.89        | 16.16        | 33.96        | 58.65         | 15.92        | 15.61        |                  |
| 15:00        | 49.63        | 52.27        | 54.17        | 57.89        | 63.46        | 2.06         | 2.10         | 0.86        | 0.89        | 11.95        | 30.05        | 48.30         | 19.01        | 17.85        |                  |
| 16:00        | 42.28        | 44.79        | 46.50        | 51.96        | 60.11        | 2.36         | 1.50         | 0.62        | 0.89        | 17.27        | 38.35        | 64.74         | 13.44        | 17.95        |                  |
| 17:00        | 60.49        | 64.41        | 66.91        | 75.18        | 87.30        | 3.43         | 2.24         | n/a         | 0.91        | 33.95        | 43.68        | 95.54         | 9.99         | 17.23        |                  |
| 18:00        | 52.36        | 55.33        | 57.44        | 63.55        | 73.25        | 2.42         | 1.76         | 0.71        | 0.90        | 28.11        | 44.34        | 87.29         | 7.86         | 16.04        |                  |
| 19:00        | 71.43        | 74.73        | 76.94        | 83.83        | 92.83        | 10.95        | 11.91        | 1.82        | 0.92        | 46.09        | 41.72        | 112.15        | 8.20         | 16.16        |                  |
| 20:00        | 65.31        | 67.58        | 68.74        | 71.41        | 75.13        | 3.65         | 2.31         | 0.78        | 0.91        | 11.97        | 31.64        | 49.93         | 11.52        | 14.45        |                  |
| 21:00        | 76.89        | 79.52        | 80.96        | 85.89        | 93.05        | 6.59         | 3.36         | 0.89        | 0.92        | 16.48        | 33.94        | 59.12         | 9.05         | 14.80        |                  |
| 22:00        | 76.73        | 79.25        | 80.33        | 83.51        | 88.10        | 6.52         | 3.27         | 0.86        | 0.91        | 21.34        | 32.99        | 65.59         | 9.15         | 14.50        |                  |
| 23:00        | 65.33        | 67.04        | 67.80        | 69.59        | 71.93        | 4.46         | 2.49         | n/a         | 0.90        | 9.32         | 31.28        | 45.53         | 10.60        | 14.28        |                  |
| 24:00        | 64.79        | 67.02        | 67.80        | 69.13        | 71.14        | 3.85         | 2.43         | n/a         | 0.90        | 4.27         | 24.24        | 30.77         | 16.58        | 14.10        |                  |
| <b>Min</b>   | <b>26.64</b> | <b>27.78</b> | <b>28.62</b> | <b>30.18</b> | <b>32.09</b> | <b>1.24</b>  | <b>0.77</b>  | <b>0.30</b> | <b>0.88</b> | <b>3.46</b>  | <b>23.99</b> | <b>29.93</b>  | <b>7.86</b>  | <b>13.70</b> |                  |
| <b>Max</b>   | <b>76.89</b> | <b>79.52</b> | <b>80.96</b> | <b>85.89</b> | <b>93.05</b> | <b>10.95</b> | <b>11.91</b> | <b>1.82</b> | <b>0.92</b> | <b>46.09</b> | <b>44.43</b> | <b>112.15</b> | <b>27.81</b> | <b>17.95</b> |                  |
| <b>Medie</b> | <b>45.66</b> | <b>47.67</b> | <b>48.92</b> | <b>52.10</b> | <b>56.56</b> | <b>3.01</b>  | <b>2.20</b>  | <b>0.65</b> | <b>0.89</b> | <b>17.68</b> | <b>34.54</b> | <b>61.55</b>  | <b>14.38</b> | <b>15.25</b> |                  |

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 4 |
| Dioxid de azot (NO2)           | 2 |
| 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 | 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  |