

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
14 IULIE 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 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         | 17.18        | 20.94        | 24.60        | 41.61        | 65.79         | 0.30        | 2.98         | 9.39         | 0.34        | 6.52         | 47.85        | 57.81        | 18.36        | 9.19         | 0.006         |
| 2:00         | 15.23        | 18.13        | 21.00        | 32.43        | 48.59         | n/a         | 2.35         | 9.30         | 0.27        | 7.44         | 50.07        | 61.44        | 10.75        | 8.99         |               |
| 3:00         | 14.70        | 17.06        | 19.43        | 28.79        | 41.47         | n/a         | 2.08         | 9.77         | 0.25        | 16.28        | 49.50        | 74.36        | 5.40         | 9.27         |               |
| 4:00         | 14.50        | 16.65        | 18.83        | 26.94        | 36.76         | n/a         | 1.85         | n/a          | 0.24        | 8.27         | 45.70        | 58.35        | 6.86         | 9.27         |               |
| 5:00         | 15.74        | 17.90        | 20.26        | 27.89        | 37.48         | 0.27        | 1.55         | n/a          | 0.24        | 4.35         | 33.47        | 40.13        | 14.51        | 8.96         |               |
| 6:00         | 18.46        | 21.21        | 24.04        | 33.87        | 47.40         | 2.09        | 2.01         | n/a          | 0.26        | 4.53         | 31.52        | 38.44        | 15.17        | 9.03         |               |
| 7:00         | 18.73        | 22.33        | 26.05        | 40.07        | 60.79         | 0.70        | 3.55         | 11.31        | 0.41        | 7.55         | 32.63        | 44.17        | 24.08        | 9.41         |               |
| 8:00         | 17.20        | 20.91        | 24.72        | 41.31        | 66.40         | 0.29        | 2.63         | 10.79        | 0.30        | 12.50        | 37.36        | 56.47        | 17.31        | 9.45         |               |
| 9:00         | 18.91        | 21.80        | 24.70        | 36.87        | 55.15         | n/a         | 1.89         | 10.17        | 0.27        | 8.93         | 27.91        | 41.55        | 32.75        | 9.30         |               |
| 10:00        | 19.60        | 26.60        | 33.31        | 66.29        | 116.14        | 1.81        | 33.68        | 19.47        | 0.41        | 5.06         | 18.74        | 26.47        | 50.12        | 9.38         |               |
| 11:00        | 17.38        | 21.41        | 24.94        | 47.16        | 86.28         | n/a         | 2.42         | 10.79        | 0.26        | 3.70         | 11.58        | 17.24        | 63.40        | 9.32         |               |
| 12:00        | 16.71        | 19.77        | 22.41        | 38.82        | 63.27         | n/a         | 1.67         | 9.32         | 0.25        | 3.79         | 13.49        | 19.28        | 71.25        | 9.47         |               |
| 13:00        | 16.48        | 19.38        | 22.29        | 36.31        | 56.91         | n/a         | 1.78         | 10.32        | 0.25        | 3.48         | 11.39        | 16.70        | 84.65        | 9.57         |               |
| 14:00        | 15.43        | 18.46        | 21.36        | 37.01        | 64.28         | n/a         | 1.94         | 11.33        | 0.25        | 3.58         | 12.56        | 18.03        | 89.74        | 9.78         |               |
| 15:00        | 14.49        | 16.95        | 19.35        | 31.25        | 49.95         | n/a         | 1.34         | 10.86        | 0.24        | 3.45         | 9.32         | 14.59        | 89.64        | 9.63         |               |
| 16:00        | 14.47        | 17.12        | 19.76        | 32.45        | 51.42         | n/a         | 1.36         | 11.06        | 0.25        | 4.78         | 13.53        | 20.84        | 86.33        | 9.55         |               |
| 17:00        | 14.88        | 17.32        | 19.85        | 30.76        | 47.63         | n/a         | 1.40         | 11.69        | 0.25        | 3.20         | 9.16         | 14.05        | 90.94        | 9.62         |               |
| 18:00        | 15.52        | 18.28        | 21.06        | 34.22        | 52.69         | n/a         | 1.46         | 12.12        | 0.25        | 3.37         | 9.69         | 14.85        | 88.41        | 9.35         |               |
| 19:00        | 16.10        | 18.79        | 21.37        | 34.50        | 54.39         | n/a         | 1.44         | 12.51        | 0.25        | 3.38         | 10.43        | 15.60        | 87.26        | 9.14         |               |
| 20:00        | 20.50        | 23.55        | 26.70        | 40.60        | 62.08         | n/a         | 2.22         | 16.52        | 0.26        | 3.29         | 14.66        | 19.69        | 80.95        | 9.42         |               |
| 21:00        | 25.78        | 29.28        | 32.82        | 49.26        | 71.55         | n/a         | n/a          | n/a          | 0.27        | 3.63         | 18.51        | 24.07        | 72.28        | 10.09        |               |
| 22:00        | 27.27        | 31.94        | 36.71        | 59.76        | 95.80         | n/a         | 2.87         | 11.88        | 0.30        | 4.03         | 26.77        | 32.92        | 57.75        | 10.48        |               |
| 23:00        | 23.28        | 27.37        | 31.57        | 50.28        | 74.70         | n/a         | 2.20         | n/a          | 0.28        | 3.67         | 23.14        | 28.76        | 58.08        | 10.09        |               |
| 24:00        | 21.76        | 25.85        | 30.12        | 47.45        | 70.38         | n/a         | 2.78         | 11.80        | 0.27        | 4.03         | 39.96        | 46.12        | 38.54        | 9.65         |               |
| <b>Min</b>   | <b>14.47</b> | <b>16.65</b> | <b>18.83</b> | <b>26.94</b> | <b>36.76</b>  | <b>0.27</b> | <b>1.34</b>  | <b>9.30</b>  | <b>0.24</b> | <b>3.20</b>  | <b>9.16</b>  | <b>14.05</b> | <b>5.40</b>  | <b>8.96</b>  |               |
| <b>Max</b>   | <b>27.27</b> | <b>31.94</b> | <b>36.71</b> | <b>66.29</b> | <b>116.14</b> | <b>2.09</b> | <b>33.68</b> | <b>19.47</b> | <b>0.41</b> | <b>16.28</b> | <b>50.07</b> | <b>74.36</b> | <b>90.94</b> | <b>10.48</b> |               |
| <b>Medie</b> | <b>17.93</b> | <b>21.21</b> | <b>24.47</b> | <b>39.41</b> | <b>61.55</b>  | <b>0.91</b> | <b>3.45</b>  | <b>11.60</b> | <b>0.28</b> | <b>5.53</b>  | <b>24.96</b> | <b>33.41</b> | <b>52.27</b> | <b>9.48</b>  |               |

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 3 |
| Dioxid de azot (NO2)           | 2 |
| Dioxid de sulf (SO2)           | 1 |
| Ozon (O3)                      | 2 |
| Particule in suspensie (PM10)  | 2 |

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

|                       |   |
|-----------------------|---|
| Indice zilnic general | 3 |
|-----------------------|---|

\*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  |