

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
14 Iunie 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         | 5.06        | 6.73         | 8.50         | 14.29        | 22.95        | 0.36        | 1.30         | 7.41        | 0.23        | 3.16        | 14.74        | 19.57        | 36.49        | 8.40        | *n/a          |
| 2:00         | 5.07        | 6.68         | 8.42         | 13.37        | 18.72        | 0.46        | 1.52         | 7.39        | 0.25        | 3.10        | 13.93        | 18.66        | 32.98        | 8.42        |               |
| 3:00         | 5.79        | 7.46         | 9.25         | 13.67        | 19.98        | 0.31        | 1.27         | 6.39        | 0.24        | 3.19        | 16.76        | 21.64        | 30.72        | 8.43        |               |
| 4:00         | 5.34        | 6.95         | 8.66         | 13.72        | 21.46        | 0.22        | 0.90         | 6.88        | 0.21        | 3.00        | 16.12        | 20.71        | 39.15        | 8.58        |               |
| 5:00         | 3.82        | 5.23         | 6.86         | 11.24        | 17.84        | 0.18        | 0.66         | 6.61        | 0.19        | 2.94        | 8.23         | 12.71        | 48.12        | 8.65        |               |
| 6:00         | 4.19        | 5.88         | 7.73         | 13.20        | 22.21        | 0.35        | 0.77         | 7.26        | 0.21        | 3.03        | 9.46         | 14.08        | 47.46        | 8.76        |               |
| 7:00         | 4.57        | 6.38         | 8.15         | 14.61        | 24.10        | 0.21        | 0.79         | 5.90        | 0.21        | 3.44        | 11.16        | 16.42        | 46.47        | 8.43        |               |
| 8:00         | 4.61        | 6.67         | 8.77         | 15.81        | 25.93        | 0.27        | 6.01         | 5.90        | 0.21        | 3.63        | 12.13        | 17.68        | 44.87        | 8.57        |               |
| 9:00         | 4.79        | 6.83         | 8.97         | 15.34        | 25.36        | 0.21        | 5.39         | 4.44        | 0.21        | 4.26        | 12.42        | 18.93        | 44.25        | 8.73        |               |
| 10:00        | 4.90        | 6.61         | 8.41         | 12.37        | 17.37        | 0.22        | 5.96         | 4.04        | 0.22        | 4.15        | 12.88        | 19.21        | 42.37        | 8.67        |               |
| 11:00        | 4.76        | 6.33         | 7.95         | 11.53        | 16.30        | 0.24        | 6.00         | 6.43        | 0.21        | 3.90        | 12.56        | 18.52        | 41.98        | 8.74        |               |
| 12:00        | 4.29        | 5.73         | 7.22         | 11.19        | 15.84        | 0.23        | 10.33        | 7.47        | 0.21        | 4.39        | 10.85        | 17.56        | 42.83        | 8.85        |               |
| 13:00        | 3.74        | 4.85         | 5.99         | 9.13         | 13.30        | 0.15        | n/a          | n/a         | 0.20        | 3.89        | 8.91         | 14.85        | 44.76        | 8.38        |               |
| 14:00        | 3.36        | 4.67         | 5.93         | 10.96        | 17.67        | 0.18        | 1.50         | 3.88        | 0.20        | 3.89        | 11.90        | 17.83        | 44.39        | 8.30        |               |
| 15:00        | 2.51        | 3.33         | 4.13         | 6.61         | 10.43        | 0.18        | 1.77         | 5.22        | 0.20        | 3.83        | 10.25        | 16.10        | 44.14        | 8.05        |               |
| 16:00        | 2.27        | 2.86         | 3.46         | 5.09         | 8.46         | 0.14        | 1.43         | 4.20        | 0.19        | 3.52        | 8.01         | 13.39        | 46.96        | 7.80        |               |
| 17:00        | 2.79        | 3.73         | 4.63         | 8.23         | 12.88        | 0.15        | 1.23         | 3.96        | 0.20        | 4.82        | 13.71        | 21.07        | 44.95        | 8.15        |               |
| 18:00        | 2.57        | 3.46         | 4.35         | 7.41         | 12.41        | 0.23        | 1.28         | 3.89        | 0.21        | 4.13        | 12.77        | 19.08        | 43.19        | 8.17        |               |
| 19:00        | 2.89        | 3.77         | 4.70         | 7.17         | 10.74        | 0.41        | 1.44         | 4.03        | 0.22        | 4.00        | 14.57        | 20.69        | 44.22        | 8.04        |               |
| 20:00        | 2.57        | 3.31         | 4.07         | 6.14         | 8.76         | 0.26        | 1.14         | 4.07        | 0.24        | 4.05        | 14.26        | 20.44        | 39.08        | 8.15        |               |
| 21:00        | 3.08        | 4.07         | 4.78         | 6.76         | 9.77         | 0.36        | 1.12         | 4.31        | 0.23        | 3.56        | 13.39        | 18.84        | 39.57        | 8.48        |               |
| 22:00        | 4.78        | 5.70         | 6.58         | 9.68         | 14.56        | 0.75        | 1.55         | 3.91        | 0.28        | 3.47        | 19.12        | 24.43        | 31.94        | 8.42        |               |
| 23:00        | 9.58        | 11.15        | 12.40        | 17.03        | 22.50        | 0.56        | 1.41         | 4.12        | 0.30        | 3.79        | 22.75        | 28.54        | 23.77        | 8.21        |               |
| 24:00        | 3.94        | 5.12         | 6.52         | 10.12        | 14.38        | 0.28        | 1.17         | 4.02        | 0.24        | 3.46        | 13.30        | 18.58        | 23.13        | 8.35        |               |
| <b>Min</b>   | <b>2.27</b> | <b>2.86</b>  | <b>3.46</b>  | <b>5.09</b>  | <b>8.46</b>  | <b>0.14</b> | <b>0.66</b>  | <b>3.88</b> | <b>0.19</b> | <b>2.94</b> | <b>8.01</b>  | <b>12.71</b> | <b>23.13</b> | <b>7.80</b> |               |
| <b>Max</b>   | <b>9.58</b> | <b>11.15</b> | <b>12.40</b> | <b>17.03</b> | <b>25.93</b> | <b>0.75</b> | <b>10.33</b> | <b>7.47</b> | <b>0.30</b> | <b>4.82</b> | <b>22.75</b> | <b>28.54</b> | <b>48.12</b> | <b>8.85</b> |               |
| <b>Medie</b> | <b>4.22</b> | <b>5.56</b>  | <b>6.93</b>  | <b>11.03</b> | <b>16.83</b> | <b>0.29</b> | <b>2.43</b>  | <b>5.29</b> | <b>0.22</b> | <b>3.69</b> | <b>13.09</b> | <b>18.73</b> | <b>40.32</b> | <b>8.41</b> |               |

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

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

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

|                       |   |
|-----------------------|---|
| Indice zilnic general | 1 |
|-----------------------|---|

\*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 formaldehida trimis la calibrat