

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
22 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/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | mg/m <sup>3</sup> |
| 1:00         | 16.19             | 19.56             | 23.36             | 32.87             | 43.53             | 0.63              | 2.52              | 15.71             | 0.26              | 3.97              | 20.21             | 26.27             | 16.78             | 8.59              | *n/a              |
| 2:00         | 8.78              | 11.70             | 15.21             | 24.01             | 35.36             | 0.33              | 2.19              | 15.78             | 0.24              | 4.36              | 21.08             | 27.75             | 13.32             | 8.48              |                   |
| 3:00         | 7.58              | 11.66             | 16.96             | 26.22             | 35.89             | 0.29              | 2.46              | 16.59             | 0.25              | 3.96              | 15.54             | 21.59             | 16.31             | 8.40              |                   |
| 4:00         | 7.77              | 12.00             | 17.46             | 27.14             | 38.19             | 0.37              | 3.27              | 18.14             | 0.25              | 5.07              | 25.00             | 32.76             | 7.86              | 8.43              |                   |
| 5:00         | 7.85              | 12.05             | 17.50             | 27.89             | 40.68             | 0.31              | 2.25              | 15.79             | 0.23              | 9.19              | 22.58             | 36.62             | 6.24              | 8.54              |                   |
| 6:00         | 7.40              | 11.96             | 17.96             | 27.70             | 37.49             | 0.23              | 2.18              | 16.65             | 0.25              | 8.37              | 20.14             | 32.94             | 10.57             | 8.80              |                   |
| 7:00         | 8.44              | 14.84             | 23.33             | 39.25             | 56.80             | 0.36              | 2.74              | 16.40             | 0.32              | 42.34             | 26.98             | 91.67             | 5.96              | 9.23              |                   |
| 8:00         | 10.04             | 15.70             | 23.22             | 37.62             | 55.45             | 0.36              | 2.43              | 19.30             | 0.29              | 34.80             | 31.77             | 84.95             | 7.80              | 9.15              |                   |
| 9:00         | 11.28             | 16.83             | 23.83             | 38.42             | 57.81             | 0.29              | 1.84              | 20.69             | 0.25              | 12.16             | 21.32             | 39.90             | 21.22             | 8.66              |                   |
| 10:00        | 11.88             | 18.62             | 26.36             | 49.70             | 87.23             | 0.39              | 1.86              | 22.45             | 0.25              | 10.92             | 25.32             | 42.01             | 26.47             | 8.88              |                   |
| 11:00        | 11.62             | 17.33             | 24.13             | 42.91             | 69.17             | 0.26              | 3.71              | 21.27             | 0.23              | 6.49              | 17.87             | 27.79             | 40.99             | 8.99              |                   |
| 12:00        | 9.60              | 13.99             | 19.02             | 34.58             | 57.94             | 0.25              | 2.13              | 19.83             | 0.23              | 4.26              | 12.98             | 19.48             | 54.27             | 8.88              |                   |
| 13:00        | 9.88              | 14.71             | 20.14             | 37.10             | 61.57             | 0.23              | 1.89              | 19.53             | 0.22              | 3.96              | 12.85             | 18.89             | 67.35             | 8.81              |                   |
| 14:00        | 10.63             | 15.37             | 20.45             | 38.69             | 67.52             | 0.24              | 1.89              | 19.89             | 0.23              | 4.68              | 16.08             | 23.21             | 77.40             | 9.23              |                   |
| 15:00        | 7.00              | 9.96              | 13.26             | 23.57             | 37.30             | 0.24              | 1.65              | 20.29             | 0.22              | 3.35              | 11.35             | 16.46             | 83.68             | 8.85              |                   |
| 16:00        | 7.14              | 10.18             | 13.49             | 26.20             | 43.97             | 0.29              | 1.82              | 18.79             | 0.24              | 4.79              | 23.22             | 30.53             | 64.64             | 8.84              |                   |
| 17:00        | 7.61              | 11.17             | 14.84             | 30.41             | 51.30             | 0.44              | n/a               | n/a               | 0.24              | 5.59              | 27.74             | 36.29             | 47.30             | 8.72              |                   |
| 18:00        | 7.88              | 11.67             | 15.62             | 32.23             | 56.03             | 0.22              | 2.78              | 19.01             | 0.25              | 4.40              | 16.27             | 22.99             | 66.20             | 8.64              |                   |
| 19:00        | 6.84              | 9.81              | 13.09             | 24.30             | 41.35             | 0.25              | 2.18              | 19.65             | 0.23              | 3.52              | 12.17             | 17.55             | 81.97             | 8.61              |                   |
| 20:00        | 6.73              | 9.78              | 13.35             | 24.33             | 41.81             | 0.34              | 1.77              | 17.64             | 0.23              | 4.12              | 14.93             | 21.22             | 80.40             | 8.58              |                   |
| 21:00        | 7.99              | 11.92             | 16.34             | 31.87             | 56.05             | 0.32              | 2.60              | 18.89             | 0.27              | 3.67              | 19.19             | 24.79             | 54.41             | 8.70              |                   |
| 22:00        | 10.86             | 15.18             | 19.94             | 38.00             | 64.92             | 0.52              | 2.73              | 16.75             | 0.38              | 5.00              | 31.62             | 39.26             | 25.83             | 8.79              |                   |
| 23:00        | 11.04             | 15.61             | 20.69             | 36.86             | 58.76             | 0.50              | 2.01              | 17.09             | 0.33              | 4.50              | 26.87             | 33.75             | 31.98             | 8.68              |                   |
| 24:00        | 10.29             | 14.56             | 19.63             | 31.13             | 48.76             | 0.52              | 2.39              | n/a               | 0.27              | 4.35              | 26.88             | 33.53             | 27.31             | 8.91              |                   |
| <b>Min</b>   | <b>6.73</b>       | <b>9.78</b>       | <b>13.09</b>      | <b>23.57</b>      | <b>35.36</b>      | <b>0.22</b>       | <b>1.65</b>       | <b>15.71</b>      | <b>0.22</b>       | <b>3.35</b>       | <b>11.35</b>      | <b>16.46</b>      | <b>5.96</b>       | <b>8.40</b>       |                   |
| <b>Max</b>   | <b>16.19</b>      | <b>19.56</b>      | <b>26.36</b>      | <b>49.70</b>      | <b>87.23</b>      | <b>0.63</b>       | <b>3.71</b>       | <b>22.45</b>      | <b>0.38</b>       | <b>42.34</b>      | <b>31.77</b>      | <b>91.67</b>      | <b>83.68</b>      | <b>9.23</b>       |                   |
| <b>Medie</b> | <b>9.26</b>       | <b>13.59</b>      | <b>18.72</b>      | <b>32.63</b>      | <b>51.87</b>      | <b>0.34</b>       | <b>2.32</b>       | <b>18.46</b>      | <b>0.26</b>       | <b>8.24</b>       | <b>20.83</b>      | <b>33.43</b>      | <b>39.01</b>      | <b>8.77</b>       |                   |

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 2 |
| Dioxid de azot (NO2)           | 1 |
| 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 | 2 |
|-----------------------|---|

\*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