

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
05 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/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         | 4.98              | 7.12              | 10.17             | 14.48             | 18.26             | n/a               | 0.81              | 7.21              | 0.21              | 3.25              | 10.23             | 15.19             | 24.62             | 8.75              | 0.001             |
| 2:00         | 6.67              | 8.99              | 12.22             | 16.70             | 21.26             | 0.35              | 1.80              | 8.74              | 0.23              | 3.51              | 15.09             | 20.44             | 17.35             | 9.04              |                   |
| 3:00         | 5.11              | 8.47              | 13.43             | 19.98             | 26.67             | 2.02              | 1.49              | 7.29              | 0.20              | 3.63              | 11.55             | 17.09             | 15.44             | 8.81              |                   |
| 4:00         | 6.19              | 9.12              | 13.17             | 19.74             | 26.44             | 0.39              | 1.77              | 7.93              | 0.23              | 6.13              | 17.66             | 27.02             | 12.17             | 9.00              |                   |
| 5:00         | 6.59              | 9.74              | 14.30             | 20.03             | 25.28             | 0.62              | n/a               | n/a               | 0.23              | 13.88             | 23.41             | 44.63             | 4.27              | 9.16              |                   |
| 6:00         | 5.50              | 7.80              | 11.11             | 15.95             | 20.94             | 0.38              | 1.67              | 7.55              | 0.22              | 13.08             | 20.03             | 40.02             | 4.54              | 9.28              |                   |
| 7:00         | 5.78              | 7.66              | 10.11             | 14.50             | 19.80             | 0.50              | 2.66              | 7.16              | 0.25              | 24.52             | 18.07             | 55.53             | 5.03              | 9.18              |                   |
| 8:00         | 6.09              | 7.50              | 9.24              | 13.14             | 18.10             | 0.45              | 1.85              | 7.86              | 0.26              | 31.79             | 18.81             | 67.39             | 6.89              | 9.28              |                   |
| 9:00         | 7.88              | 9.24              | 10.84             | 15.15             | 21.20             | 1.62              | 1.82              | 7.23              | 0.25              | 23.85             | 19.93             | 56.38             | 10.28             | 8.98              |                   |
| 10:00        | 11.33             | 12.89             | 14.71             | 19.95             | 27.44             | n/a               | 0.96              | 7.10              | 0.23              | 13.64             | 20.12             | 40.96             | 21.52             | 8.80              |                   |
| 11:00        | 8.98              | 10.16             | 11.41             | 15.93             | 23.52             | n/a               | 0.69              | 6.69              | 0.21              | 4.43              | 10.32             | 17.08             | 46.16             | 8.61              |                   |
| 12:00        | 7.35              | 8.34              | 9.35              | 13.50             | 20.80             | n/a               | 0.87              | 6.19              | 0.20              | 3.78              | 8.59              | 14.37             | 52.27             | 8.76              |                   |
| 13:00        | 6.52              | 7.37              | 8.16              | 11.95             | 19.02             | n/a               | 1.51              | 4.83              | 0.20              | 3.34              | 7.65              | 12.75             | 57.17             | 8.85              |                   |
| 14:00        | 5.46              | 6.22              | 7.02              | 9.72              | 13.64             | 0.50              | 1.19              | 3.56              | 0.20              | 3.28              | 7.76              | 12.78             | 59.10             | 9.04              |                   |
| 15:00        | 4.46              | 5.22              | 5.98              | 9.31              | 15.30             | 0.30              | 1.43              | n/a               | 0.21              | 3.71              | 8.36              | 14.04             | 59.99             | 8.97              |                   |
| 16:00        | 4.36              | 5.12              | 5.88              | 9.14              | 14.36             | n/a               | 1.61              | 4.26              | 0.21              | 4.09              | 10.09             | 16.33             | 60.25             | 8.97              |                   |
| 17:00        | 5.58              | 6.45              | 7.25              | 11.08             | 16.05             | n/a               | 1.51              | 4.29              | 0.21              | 3.30              | 8.44              | 13.48             | 64.46             | 8.92              |                   |
| 18:00        | 7.09              | 8.83              | 10.26             | 19.78             | 36.07             | 0.24              | 2.06              | 5.17              | 0.24              | 4.27              | 16.32             | 22.84             | 64.03             | 9.56              |                   |
| 19:00        | 6.14              | 7.60              | 8.85              | 16.91             | 31.04             | n/a               | 1.55              | 4.98              | 0.20              | 3.42              | 11.81             | 17.04             | 70.83             | 9.14              |                   |
| 20:00        | 5.46              | 6.64              | 7.86              | 13.07             | 20.86             | n/a               | 2.35              | 5.99              | 0.22              | 3.29              | 13.42             | 18.45             | 66.29             | 9.46              |                   |
| 21:00        | 8.15              | 9.86              | 11.45             | 18.80             | 31.77             | 0.27              | 2.68              | n/a               | 0.24              | 4.48              | 28.76             | 35.61             | 45.75             | 9.20              |                   |
| 22:00        | 15.84             | 19.53             | 22.67             | 38.53             | 66.33             | n/a               | 2.57              | 5.80              | 0.25              | 4.62              | 36.84             | 43.90             | 26.27             | 9.60              |                   |
| 23:00        | 12.73             | 15.07             | 17.10             | 25.63             | 39.21             | 0.20              | 3.03              | 6.22              | 0.32              | 4.43              | 30.24             | 37.02             | 21.51             | 9.11              |                   |
| 24:00        | 10.72             | 13.46             | 16.08             | 27.85             | 44.20             | 0.21              | 3.81              | 6.40              | 0.30              | 12.76             | 41.75             | 61.24             | 8.41              | 9.13              |                   |
| <b>Min</b>   | <b>4.36</b>       | <b>5.12</b>       | <b>5.88</b>       | <b>9.14</b>       | <b>13.64</b>      | <b>0.20</b>       | <b>0.69</b>       | <b>3.56</b>       | <b>0.20</b>       | <b>3.25</b>       | <b>7.65</b>       | <b>12.75</b>      | <b>4.27</b>       | <b>8.61</b>       |                   |
| <b>Max</b>   | <b>15.84</b>      | <b>19.53</b>      | <b>22.67</b>      | <b>38.53</b>      | <b>66.33</b>      | <b>2.02</b>       | <b>3.81</b>       | <b>8.74</b>       | <b>0.32</b>       | <b>31.79</b>      | <b>41.75</b>      | <b>67.39</b>      | <b>70.83</b>      | <b>9.60</b>       |                   |
| <b>Medie</b> | <b>7.29</b>       | <b>9.10</b>       | <b>11.19</b>      | <b>17.12</b>      | <b>25.73</b>      | <b>0.58</b>       | <b>1.81</b>       | <b>6.31</b>       | <b>0.23</b>       | <b>8.35</b>       | <b>17.30</b>      | <b>30.07</b>      | <b>34.36</b>      | <b>9.07</b>       |                   |

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

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

|   |               |
|---|---------------|
| 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  |