

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
12 IANUARIE 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       | 108.07        | 110.01        | 111.03        | 112.72        | 114.72        | 10.51        | 5.68        | 1.40        | 0.91        | 54.36        | 36.91        | 119.97        | n/a          | 12.40        | 0.006            |
| 2:00       | 109.73        | 111.43        | 112.31        | 113.21        | 114.22        | 7.92         | 4.30        | 1.64        | 0.91        | 44.76        | 34.73        | 103.13        | n/a          | 12.18        |                  |
| 3:00       | 81.88         | 83.13         | 83.71         | 84.60         | 86.07         | 5.33         | n/a         | n/a         | 0.88        | 34.38        | 32.51        | 85.03         | n/a          | 11.52        |                  |
| 4:00       | 82.69         | 83.90         | 84.40         | 85.49         | 86.62         | 5.38         | 2.91        | 1.10        | 0.89        | 46.06        | 31.73        | 102.11        | n/a          | 13.13        |                  |
| 5:00       | 85.48         | 87.18         | 87.82         | 88.22         | 89.09         | 5.44         | 2.99        | 1.46        | 0.88        | 22.48        | 26.82        | 61.16         | n/a          | 11.64        |                  |
| 6:00       | 87.97         | 90.29         | 91.08         | 92.17         | 93.52         | 7.49         | 3.61        | 1.40        | 0.88        | 17.80        | 25.81        | 53.01         | n/a          | 11.21        |                  |
| 7:00       | 82.65         | 84.79         | 85.69         | 87.14         | 89.25         | 4.81         | 2.89        | 1.32        | 0.88        | 33.52        | 28.18        | 79.40         | n/a          | 11.87        |                  |
| 8:00       | 73.93         | 75.87         | 76.79         | 79.29         | 82.14         | 6.13         | 3.88        | 1.31        | 0.87        | 38.93        | 28.97        | 88.45         | n/a          | 12.08        |                  |
| 9:00       | 80.60         | 82.71         | 83.69         | 85.42         | 87.58         | 6.82         | 3.67        | 1.17        | 0.87        | 28.34        | 28.66        | 71.97         | n/a          | 12.51        |                  |
| 10:00      | 83.08         | 85.84         | 87.25         | 89.36         | 91.68         | 7.33         | 3.68        | 1.07        | 0.87        | 17.19        | 25.74        | 52.01         | 0.88         | 12.69        |                  |
| 11:00      | 78.16         | 81.34         | 82.92         | 86.59         | 90.78         | 5.46         | 3.60        | 1.43        | 0.86        | 18.27        | 26.01        | 53.91         | 1.33         | 11.38        |                  |
| 12:00      | 64.79         | 67.69         | 68.92         | 70.70         | 72.51         | 3.61         | 2.51        | 0.96        | 0.86        | 13.43        | 22.69        | 43.21         | 4.75         | 11.30        |                  |
| 13:00      | 57.27         | 59.77         | 60.64         | 62.01         | 63.51         | 4.88         | 4.35        | 1.71        | 0.86        | 9.11         | 19.56        | 33.49         | 10.27        | 11.88        |                  |
| 14:00      | 59.66         | 61.94         | 62.96         | 64.26         | 66.20         | 4.16         | 2.77        | 1.33        | 0.85        | 7.96         | 22.89        | 35.06         | 12.85        | 11.83        |                  |
| 15:00      | 62.63         | 64.71         | 65.66         | 67.86         | 70.81         | 4.20         | 3.27        | 1.65        | 0.86        | 6.55         | 20.87        | 30.88         | 15.63        | 11.70        |                  |
| 16:00      | 47.52         | 48.64         | 49.18         | 49.82         | 50.63         | 3.18         | 2.24        | 1.35        | 0.85        | 5.14         | 21.00        | 28.86         | 17.17        | 11.37        |                  |
| 17:00      | 53.19         | 55.14         | 56.05         | 57.79         | 59.87         | 3.11         | 3.07        | 2.00        | 0.86        | 13.64        | 39.33        | 60.17         | 4.92         | 11.26        |                  |
| 18:00      | 54.01         | 56.00         | 57.17         | 59.48         | 61.87         | 3.16         | 3.13        | 1.71        | 0.85        | 13.29        | 42.76        | 63.06         | 1.92         | 11.13        |                  |
| 19:00      | 39.94         | 41.43         | 42.26         | 43.67         | 45.67         | 2.17         | 2.10        | 1.17        | 0.83        | 6.86         | 32.96        | 43.43         | 6.50         | 10.97        |                  |
| 20:00      | 46.17         | 47.81         | 48.68         | 50.11         | 51.38         | 3.20         | 2.55        | 1.90        | 0.84        | 7.60         | 26.33        | 37.94         | 7.37         | 11.34        |                  |
| 21:00      | 50.39         | 51.99         | 52.73         | 53.25         | 53.80         | 2.75         | 2.21        | 1.62        | 0.84        | 8.40         | 26.24        | 39.07         | 6.32         | 13.16        |                  |
| 22:00      | 43.26         | 44.82         | 45.53         | 46.14         | 46.63         | 2.79         | 2.13        | 1.02        | 0.83        | 7.53         | 24.71        | 36.21         | 5.67         | 14.34        |                  |
| 23:00      | 34.86         | 35.99         | 36.43         | 36.74         | 37.13         | 2.21         | 1.72        | 1.19        | 0.83        | 6.83         | 17.84        | 28.27         | 10.20        | 14.94        |                  |
| 24:00      | 28.54         | 29.65         | 30.16         | 31.56         | 33.98         | 1.75         | 1.41        | 0.89        | 0.83        | 4.43         | 14.79        | 21.57         | 11.79        | 15.79        |                  |
| <b>Min</b> | <b>28.54</b>  | <b>29.65</b>  | <b>30.16</b>  | <b>31.56</b>  | <b>33.98</b>  | <b>1.75</b>  | <b>1.41</b> | <b>0.89</b> | <b>0.83</b> | <b>4.43</b>  | <b>14.79</b> | <b>21.57</b>  | <b>0.88</b>  | <b>10.97</b> |                  |
| <b>Max</b> | <b>109.73</b> | <b>111.43</b> | <b>112.31</b> | <b>113.21</b> | <b>114.72</b> | <b>10.51</b> | <b>5.68</b> | <b>2.00</b> | <b>0.91</b> | <b>54.36</b> | <b>42.76</b> | <b>119.97</b> | <b>17.17</b> | <b>15.79</b> |                  |

|       |       |       |       |       |       |      |      |      |      |       |       |       |      |       |
|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|------|-------|
| Medie | 66.52 | 68.42 | 69.29 | 70.73 | 72.49 | 4.74 | 3.07 | 1.38 | 0.86 | 19.45 | 27.42 | 57.14 | 7.84 | 12.23 |
|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|------|-------|

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 5 |
| 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 | 5 |
|-----------------------|---|

\*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  |