

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

9 APRILIE 2020



## DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Amplasament: Str. M. 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         | 75,35        | 80,99        | 85,02         | 95,17         | 106,87        | 4,58        | 4,13        | 3,44        | 1,03        | 3,09         | 44,89        | 49,61        | 14,95         | 5,47         | 0,007            |
| 2:00         | 68,04        | 72,85        | 75,98         | 85,39         | 96,16         | 3,53        | 3,78        | 3,34        | 0,95        | 2,84         | 38,83        | 43,16        | 14,43         | 5,41         |                  |
| 3:00         | 53,22        | 56,82        | 59,39         | 68,55         | 80,17         | 2,57        | 2,94        | 2,38        | 0,72        | 2,81         | 35,26        | 39,55        | 13,12         | 5,14         |                  |
| 4:00         | 46,75        | 50,20        | 52,84         | 61,96         | 73,43         | 2,34        | 3,05        | 2,31        | 0,66        | 3,20         | 34,48        | 39,36        | 11,93         | 4,17         |                  |
| 5:00         | 42,08        | 45,17        | 47,60         | 55,57         | 67,34         | 2,09        | 2,58        | 2,06        | 0,62        | 2,48         | 33,04        | 36,82        | 10,89         | 4,00         |                  |
| 6:00         | 39,74        | 42,56        | 44,74         | 51,48         | 59,90         | 1,78        | 2,55        | 1,95        | 0,64        | 2,83         | 32,36        | 36,69        | 10,83         | 3,84         |                  |
| 7:00         | 46,15        | 49,22        | 51,81         | 59,73         | 69,88         | 4,09        | 3,49        | 2,19        | 0,61        | 6,72         | 36,19        | 46,45        | 9,09          | 4,34         |                  |
| 8:00         | 43,83        | 48,35        | 52,20         | 69,88         | 97,40         | 3,01        | 3,18        | 2,07        | 0,64        | 17,08        | 39,60        | 65,70        | 6,10          | 5,10         |                  |
| 9:00         | 46,52        | 51,11        | 55,28         | 72,05         | 96,06         | 3,60        | 3,74        | 2,13        | 0,63        | 22,31        | 39,87        | 73,96        | 12,45         | 5,54         |                  |
| 10:00        | 48,18        | 54,84        | 59,96         | 92,09         | 144,85        | 2,56        | 2,52        | 1,92        | 0,51        | 6,36         | 27,55        | 37,27        | 37,73         | 5,20         |                  |
| 11:00        | 58,30        | 68,33        | 75,94         | 126,31        | 203,54        | 1,58        | 2,46        | 1,85        | 0,45        | 10,32        | 43,17        | 58,94        | 46,84         | 14,08        |                  |
| 12:00        | 53,06        | 67,03        | 78,11         | 151,91        | 275,58        | 1,26        | 2,66        | 2,10        | 0,42        | 14,70        | 55,63        | 78,08        | 49,08         | 16,17        |                  |
| 13:00        | 38,86        | 46,81        | 53,16         | 92,67         | 158,57        | 0,85        | 1,48        | 1,74        | 0,35        | 4,44         | 27,04        | 33,83        | 86,10         | 8,79         |                  |
| 14:00        | 26,02        | 30,02        | 33,15         | 52,57         | 84,08         | 0,82        | 2,03        | 1,95        | 0,32        | 1,01         | 9,88         | 11,43        | 111,17        | 5,94         |                  |
| 15:00        | 23,48        | 26,80        | 29,53         | 44,40         | 69,04         | 0,68        | 1,73        | 2,09        | 0,30        | 0,59         | 6,84         | 7,75         | 116,76        | 5,54         |                  |
| 16:00        | 23,84        | 26,28        | 28,20         | 37,07         | 49,71         | 0,72        | 1,22        | 2,21        | 0,30        | 0,45         | 5,39         | 6,07         | 118,50        | 5,57         |                  |
| 17:00        | 25,82        | 28,46        | 30,47         | 41,20         | 58,16         | 0,72        | 1,32        | 2,64        | 0,31        | 0,44         | 5,68         | 6,35         | 121,69        | 5,49         |                  |
| 18:00        | 25,96        | 28,99        | 31,44         | 44,57         | 67,09         | 0,67        | 1,33        | 2,62        | 0,31        | 0,42         | 7,46         | 8,11         | 123,42        | 6,06         |                  |
| 19:00        | 25,81        | 28,99        | 31,49         | 45,60         | 67,19         | 0,69        | 1,36        | 4,08        | 0,32        | 0,52         | 9,80         | 10,60        | 114,87        | 5,47         |                  |
| 20:00        | 32,42        | 36,06        | 38,81         | 52,94         | 73,27         | 2,12        | 6,40        | 5,09        | 0,48        | 1,17         | 21,35        | 23,14        | 91,50         | 5,53         |                  |
| 21:00        | 58,78        | 65,50        | 71,38         | 98,83         | 132,42        | 6,39        | 8,45        | 5,42        | 1,07        | 2,88         | 48,02        | 52,41        | 48,36         | 6,54         |                  |
| 22:00        | 81,68        | 91,98        | 101,84        | 140,07        | 187,04        | 7,70        | 5,85        | 5,64        | 1,22        | 3,90         | 48,08        | 54,04        | 40,64         | 5,86         |                  |
| 23:00        | 65,63        | 71,83        | 76,87         | 94,87         | 119,07        | 9,45        | 6,63        | 4,74        | 1,10        | 4,62         | 41,25        | 48,32        | 38,57         | 5,24         |                  |
| 24:00        | 87,50        | 94,42        | 99,37         | 117,17        | 140,55        | 6,43        | 5,31        | 4,48        | 1,25        | 6,85         | 61,44        | 71,91        | 7,08          | 5,53         |                  |
| <b>Min</b>   | <b>23,48</b> | <b>26,28</b> | <b>28,20</b>  | <b>37,07</b>  | <b>49,71</b>  | <b>0,67</b> | <b>1,22</b> | <b>1,74</b> | <b>0,30</b> | <b>0,42</b>  | <b>5,39</b>  | <b>6,07</b>  | <b>6,10</b>   | <b>3,84</b>  |                  |
| <b>Max</b>   | <b>87,50</b> | <b>94,42</b> | <b>101,84</b> | <b>151,91</b> | <b>275,58</b> | <b>9,45</b> | <b>8,45</b> | <b>5,64</b> | <b>1,25</b> | <b>22,31</b> | <b>61,44</b> | <b>78,08</b> | <b>123,42</b> | <b>16,17</b> |                  |
| <b>Medie</b> | <b>47,38</b> | <b>52,65</b> | <b>56,86</b>  | <b>77,17</b>  | <b>107,39</b> | <b>2,93</b> | <b>3,34</b> | <b>2,94</b> | <b>0,63</b> | <b>5,08</b>  | <b>31,38</b> | <b>39,15</b> | <b>52,34</b>  | <b>6,25</b>  |                  |

**Indice privind calitatea aerului in Municipiul Sebes - Ordin 1095/2007**

|  |   |
|--|---|
| Monoxid de Carbon (CO)                   | 1 |
| Dioxid de azot (NO <sub>2</sub> )        | 2 |
| Dioxid de sulf (SO <sub>2</sub> )        | 1 |
| Ozon (O <sub>3</sub> )                   | 4 |
| Pulberi in suspensie (PM <sub>10</sub> ) | 5 |

|                       |   |
|-----------------------|---|
| Indice zilnic general | 5 |
|-----------------------|---|

|   |            |
|---|------------|
| 1 | Excelent   |
| 2 | Foarte bun |
| 3 | Bun        |
| 4 | Mediu      |
| 5 | Rau        |
| 6 | Foarte rau |

\*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 - (O <sub>3</sub> )                  | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO <sub>2</sub> )        | 200 µg/mc limita orara ; 40 µg/mc limita anuala         | Legea 104/2011 |
| Dioxid de sulf - (SO <sub>2</sub> )       | 350 µg/mc limita orara ; 125 µg/mc limita zilnica       | Legea 104/2011 |
| Pulberi in suspensie (PM <sub>10</sub> )  | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ;      | Legea 104/2011 |
| Pulberi in suspensie (PM <sub>2.5</sub> ) | 20 µg/mc limita anuala                                  | Legea 104/2011 |
| Benzen - (C <sub>6</sub> H <sub>6</sub> ) | 5 µg/mc limita anuala                                   | Legea 104/2011 |
| Formaldehida - (CHOH)                     | 0.012 mg/mc media la 24 h                               | STAS 12574/87  |