

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

8 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         | 52,31         | 56,56         | 59,32         | 67,92         | 80,31         | 4,25         | 3,58         | 3,10        | 0,92        | 5,67         | 42,37        | 51,04        | 7,15          | 4,84         | 0,008            |
| 2:00         | 40,52         | 43,90         | 46,19         | 54,92         | 68,18         | 3,04         | 2,71         | 2,30        | 0,79        | 10,45        | 43,04        | 59,01        | 2,35          | 4,84         |                  |
| 3:00         | 41,88         | 45,06         | 47,09         | 55,36         | 69,34         | 2,89         | 2,94         | 2,16        | 0,77        | 5,24         | 36,86        | 44,86        | 4,91          | 4,28         |                  |
| 4:00         | 35,85         | 38,26         | 39,91         | 46,84         | 58,55         | 2,43         | 2,66         | 2,19        | 0,72        | 4,97         | 35,75        | 43,33        | 3,85          | 4,25         |                  |
| 5:00         | 35,07         | 37,52         | 39,48         | 45,08         | 53,99         | 2,10         | 2,32         | 2,06        | 0,64        | 9,67         | 34,80        | 49,59        | 3,02          | 5,56         |                  |
| 6:00         | 33,28         | 35,89         | 37,85         | 45,27         | 55,76         | 1,87         | 2,55         | 1,98        | 0,70        | 9,05         | 32,98        | 46,82        | 2,73          | 5,05         |                  |
| 7:00         | 29,41         | 32,47         | 34,98         | 45,50         | 62,16         | 1,88         | 2,28         | 1,88        | 0,58        | 11,70        | 36,48        | 54,35        | 3,56          | 4,85         |                  |
| 8:00         | 33,86         | 37,58         | 40,78         | 54,63         | 74,99         | 3,64         | 2,49         | 1,75        | 0,63        | 17,81        | 34,08        | 61,28        | 5,87          | 4,90         |                  |
| 9:00         | 30,49         | 34,47         | 37,82         | 54,99         | 82,67         | 3,20         | 3,74         | 1,93        | 0,63        | 25,96        | 35,34        | 75,00        | 9,25          | 5,35         |                  |
| 10:00        | 35,18         | 40,84         | 45,25         | 74,59         | 124,43        | 1,98         | 2,24         | 1,72        | 0,46        | 17,00        | 37,39        | 63,37        | 20,51         | 7,97         |                  |
| 11:00        | 41,39         | 49,08         | 54,79         | 97,54         | 167,86        | 1,27         | 1,71         | 1,58        | 0,43        | 11,70        | 34,48        | 52,36        | 35,54         | 8,93         |                  |
| 12:00        | 42,50         | 49,92         | 55,56         | 96,46         | 167,69        | 1,20         | 1,69         | 1,48        | 0,39        | 11,75        | 36,18        | 54,14        | 42,47         | 13,76        |                  |
| 13:00        | 24,77         | 29,41         | 33,22         | 56,64         | 96,26         | 0,72         | 1,07         | 1,47        | 0,32        | 3,65         | 20,10        | 25,67        | 70,92         | 14,77        |                  |
| 14:00        | 20,46         | 23,33         | 25,60         | 38,78         | 59,67         | 0,63         | 1,19         | 1,54        | 0,29        | 0,99         | 8,68         | 10,19        | 95,11         | 9,16         |                  |
| 15:00        | 20,86         | 23,43         | 25,41         | 36,45         | 54,55         | 0,67         | 1,17         | 1,68        | 0,31        | 0,53         | 6,29         | 7,10         | 104,35        | 7,24         |                  |
| 16:00        | 24,51         | 27,24         | 29,29         | 40,34         | 61,63         | 0,75         | 2,04         | 1,81        | 0,32        | 0,60         | 6,54         | 7,44         | 107,63        | 5,51         |                  |
| 17:00        | 22,52         | 24,93         | 26,73         | 36,52         | 54,01         | 0,91         | 25,48        | 2,48        | 0,31        | 0,60         | 6,29         | 7,20         | 108,20        | 5,22         |                  |
| 18:00        | 22,71         | 25,16         | 27,00         | 37,26         | 53,83         | 0,89         | 57,07        | 2,44        | 0,32        | 0,54         | 6,35         | 7,16         | 109,75        | 5,01         |                  |
| 19:00        | 23,93         | 26,55         | 28,46         | 40,27         | 59,25         | 1,21         | 10,36        | 2,98        | 0,35        | 0,77         | 9,10         | 10,28        | 105,47        | 5,04         |                  |
| 20:00        | 31,99         | 35,18         | 37,44         | 52,39         | 75,88         | 1,89         | 6,37         | 3,65        | 0,55        | 1,25         | 20,06        | 21,97        | 88,78         | 6,16         |                  |
| 21:00        | 84,62         | 90,84         | 95,76         | 114,16        | 138,41        | 17,44        | 12,00        | 4,82        | 1,44        | 8,94         | 58,40        | 72,06        | 39,05         | 9,32         |                  |
| 22:00        | 97,84         | 105,80        | 112,24        | 138,99        | 172,47        | 7,48         | 4,71         | 3,71        | 1,39        | 4,25         | 44,48        | 50,98        | 36,78         | 6,62         |                  |
| 23:00        | 189,60        | 202,10        | 210,61        | 242,40        | 279,87        | 26,15        | 13,04        | 5,38        | 2,55        | 14,14        | 64,45        | 86,05        | 7,76          | 8,41         |                  |
| 24:00        | 97,78         | 106,76        | 113,26        | 129,57        | 151,58        | 6,77         | n/a          | n/a         | 1,07        | 8,75         | 55,40        | 68,76        | 9,91          | 7,36         |                  |
| <b>Min</b>   | <b>20,46</b>  | <b>23,33</b>  | <b>25,41</b>  | <b>36,45</b>  | <b>53,83</b>  | <b>0,63</b>  | <b>1,07</b>  | <b>1,47</b> | <b>0,29</b> | <b>0,53</b>  | <b>6,29</b>  | <b>7,10</b>  | <b>2,35</b>   | <b>4,25</b>  |                  |
| <b>Max</b>   | <b>189,60</b> | <b>202,10</b> | <b>210,61</b> | <b>242,40</b> | <b>279,87</b> | <b>26,15</b> | <b>57,07</b> | <b>5,38</b> | <b>2,55</b> | <b>25,96</b> | <b>64,45</b> | <b>86,05</b> | <b>109,75</b> | <b>14,77</b> |                  |
| <b>Medie</b> | <b>46,39</b>  | <b>50,93</b>  | <b>54,33</b>  | <b>70,95</b>  | <b>96,81</b>  | <b>3,97</b>  | <b>7,19</b>  | <b>2,44</b> | <b>0,70</b> | <b>7,75</b>  | <b>31,08</b> | <b>42,92</b> | <b>42,71</b>  | <b>6,85</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> )                   | 3 |
| 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  |