

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES  
05 MAI 2022**



**DATE CALITATE AER MUNICIPIUL SEBES -**

**SISTEM PROPRIU DE MASURARE -Kogalniceanu, nr.114**

**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         | 12,02        | 13,03        | 14,01        | 16,60        | 21,28        | 1,09        | n/a         | n/a         | 0,32        | 2,95         | 16,67        | 21,17        | 48,66        | 2,67        | 0,004            |
| 2:00         | 13,10        | 14,26        | 15,33        | 18,50        | 23,64        | 0,73        | 1,13        | 1,58        | 0,33        | 2,86         | 17,22        | 21,58        | 44,98        | 2,66        |                  |
| 3:00         | 15,48        | 16,93        | 18,30        | 21,54        | 25,84        | 0,93        | 1,56        | 1,60        | 0,30        | 3,07         | 43,20        | 47,88        | 17,65        | 2,68        |                  |
| 4:00         | 14,24        | 15,53        | 16,64        | 20,15        | 24,54        | 0,90        | 1,67        | 1,55        | 0,30        | 17,38        | 61,72        | 88,27        | 5,75         | 2,78        |                  |
| 5:00         | 10,82        | 11,94        | 12,98        | 16,32        | 22,93        | 0,56        | 1,06        | 1,43        | 0,24        | 5,47         | 25,66        | 34,02        | 23,46        | 2,58        |                  |
| 6:00         | 11,89        | 13,30        | 14,55        | 18,89        | 26,78        | 0,62        | 1,40        | 1,41        | 0,38        | 5,16         | 34,51        | 42,41        | 14,68        | 2,57        |                  |
| 7:00         | 14,64        | 16,57        | 18,43        | 24,35        | 32,57        | 1,10        | 1,61        | 1,39        | 0,62        | 19,43        | 59,81        | 89,51        | 5,29         | 2,85        |                  |
| 8:00         | 14,39        | 16,46        | 18,67        | 25,15        | 33,83        | 0,96        | 1,84        | 1,41        | 0,59        | 19,36        | 54,68        | 84,26        | 10,96        | 2,93        |                  |
| 9:00         | 14,51        | 16,00        | 17,46        | 22,74        | 31,05        | 0,98        | 1,24        | 1,37        | 0,92        | 11,10        | 36,50        | 53,46        | 28,16        | 2,80        |                  |
| 10:00        | 13,09        | 14,41        | 15,63        | 20,64        | 27,82        | 0,59        | 0,93        | 1,17        | 0,22        | 6,09         | 22,80        | 32,11        | 39,93        | 2,76        |                  |
| 11:00        | 10,79        | 11,91        | 12,83        | 17,77        | 25,40        | 0,47        | 0,83        | 1,26        | 0,19        | 4,19         | 12,39        | 18,80        | 54,05        | 2,72        |                  |
| 12:00        | 9,33         | 10,28        | 11,12        | 14,73        | 21,31        | 0,42        | 0,74        | 1,30        | 0,18        | 3,29         | 8,25         | 13,29        | 69,21        | 2,67        |                  |
| 13:00        | 7,06         | 7,82         | 8,51         | 11,23        | 15,56        | 0,39        | 0,63        | 1,37        | 0,17        | 2,87         | 5,60         | 9,98         | 85,11        | 2,67        |                  |
| 14:00        | 7,38         | 8,23         | 9,04         | 12,01        | 16,78        | 0,38        | 0,62        | 1,38        | 0,17        | 2,97         | 6,15         | 10,69        | 87,78        | 2,68        |                  |
| 15:00        | 6,66         | 7,62         | 8,46         | 12,01        | 17,54        | 0,37        | 0,92        | 1,52        | 0,16        | 2,85         | 5,15         | 9,51         | 90,91        | 2,65        |                  |
| 16:00        | 6,21         | 7,19         | 8,22         | 11,35        | 16,87        | 0,31        | 0,59        | 1,63        | 0,16        | 3,21         | 5,29         | 10,20        | 93,23        | 2,62        |                  |
| 17:00        | 6,12         | 6,96         | 7,84         | 10,53        | 15,34        | 0,32        | 0,59        | 1,64        | 0,17        | 3,05         | 5,61         | 10,26        | 93,45        | 2,61        |                  |
| 18:00        | 5,99         | 6,80         | 7,65         | 10,00        | 13,73        | 0,29        | 0,64        | 1,70        | 0,16        | 3,02         | 5,69         | 10,29        | 95,36        | 2,64        |                  |
| 19:00        | 6,36         | 7,52         | 8,61         | 13,79        | 21,91        | 0,29        | 0,58        | 1,77        | 0,16        | 2,89         | 8,86         | 13,28        | 90,70        | 2,62        |                  |
| 20:00        | 6,73         | 8,51         | 10,03        | 19,97        | 33,95        | 0,44        | 1,41        | 1,91        | 0,20        | 2,96         | 17,83        | 22,34        | 80,01        | 2,85        |                  |
| 21:00        | 7,92         | 10,06        | 11,87        | 23,34        | 40,52        | 0,40        | 1,07        | 3,57        | 0,21        | 2,91         | 23,38        | 27,83        | 74,62        | 2,65        |                  |
| 22:00        | 12,02        | 14,06        | 15,85        | 25,50        | 39,25        | 1,02        | 1,98        | 2,22        | 0,29        | 3,29         | 32,02        | 37,05        | 58,24        | 2,80        |                  |
| 23:00        | 20,51        | 23,71        | 26,64        | 40,17        | 59,28        | 1,68        | 2,13        | 2,49        | 0,43        | 3,20         | 35,61        | 40,50        | 43,63        | 2,89        |                  |
| 24:00        | 22,61        | 25,37        | 27,90        | 38,26        | 54,22        | 1,70        | 3,39        | 2,31        | 0,45        | 3,57         | 59,66        | 65,10        | 20,16        | 2,83        |                  |
| <b>Min</b>   | <b>5,99</b>  | <b>6,80</b>  | <b>7,65</b>  | <b>10,00</b> | <b>13,73</b> | <b>0,29</b> | <b>0,58</b> | <b>1,17</b> | <b>0,16</b> | <b>2,85</b>  | <b>5,15</b>  | <b>9,51</b>  | <b>5,29</b>  | <b>2,57</b> |                  |
| <b>Max</b>   | <b>22,61</b> | <b>25,37</b> | <b>27,90</b> | <b>40,17</b> | <b>59,28</b> | <b>1,70</b> | <b>3,39</b> | <b>3,57</b> | <b>0,92</b> | <b>19,43</b> | <b>61,72</b> | <b>89,51</b> | <b>95,36</b> | <b>2,93</b> |                  |
| <b>Medie</b> | <b>11,24</b> | <b>12,69</b> | <b>14,02</b> | <b>19,40</b> | <b>27,58</b> | <b>0,71</b> | <b>1,24</b> | <b>1,69</b> | <b>0,31</b> | <b>5,71</b>  | <b>25,18</b> | <b>33,91</b> | <b>53,17</b> | <b>2,72</b> |                  |

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

|                                |   |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 2 |
| 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  |