

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES**  
**08 DECEMBRIE 2024**

**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  | 16.17 | 17.10 | 17.92 | 18.77 | 20.25 | 1.40   | 1.23   | 0.65        | 0.78  | 0.79  | 14.23 | 15.03 | 23.42 | 7.26  | 0.003            |
| 2:00  | 29.08 | 30.58 | 31.44 | 33.34 | 37.39 | 2.86   | 1.85   | 0.71        | 0.92  | 0.68  | 14.58 | 15.26 | 20.40 | 7.17  |                  |
| 3:00  | 22.08 | 23.51 | 24.19 | 25.60 | 27.45 | 1.64   | 1.39   | 0.64        | 0.81  | 1.20  | 13.93 | 15.14 | 19.58 | 7.21  |                  |
| 4:00  | 22.11 | 23.85 | 24.57 | 25.12 | 25.85 | 1.57   | 1.32   | 0.66        | 0.82  | 1.40  | 16.86 | 18.27 | 17.06 | 7.25  |                  |
| 5:00  | 19.21 | 20.80 | 21.77 | 22.62 | 23.53 | 1.49   | 1.27   | 0.62        | 0.81  | 1.31  | 16.10 | 17.41 | 19.64 | 7.30  |                  |
| 6:00  | 20.01 | 21.52 | 22.38 | 23.13 | 24.11 | 1.62   | 1.28   | 0.62        | 0.85  | 1.09  | 13.73 | 14.81 | 18.19 | 7.25  |                  |
| 7:00  | 22.21 | 23.98 | 24.77 | 25.57 | 26.68 | 1.52   | 1.22   | 0.62        | 0.78  | 1.62  | 14.11 | 15.74 | 17.22 | 7.25  |                  |
| 8:00  | 27.30 | 29.05 | 29.98 | 31.26 | 33.15 | 2.63   | 1.61   | 0.66        | 0.90  | 2.98  | 21.32 | 24.32 | 12.76 | 7.27  |                  |
| 9:00  | 26.63 | 28.32 | 29.30 | 31.67 | 34.52 | 2.15   | 1.66   | 0.68        | 0.90  | 3.57  | 21.39 | 24.98 | 10.49 | 7.23  |                  |
| 10:00 | 28.01 | 29.90 | 31.04 | 33.05 | 36.69 | 2.88   | 1.73   | 0.71        | 0.96  | 4.94  | 15.88 | 20.84 | 13.33 | 7.29  |                  |
| 11:00 | 13.03 | 13.85 | 14.43 | 15.62 | 18.20 | 1.48   | 1.20   | 0.64        | 0.75  | 1.74  | 7.22  | 8.97  | 26.96 | 7.26  |                  |
| 12:00 | 13.84 | 14.43 | 14.81 | 16.03 | 18.07 | 1.81   | 1.25   | 0.62        | 0.81  | 2.57  | 9.26  | 11.85 | 29.30 | 7.40  |                  |
| 13:00 | 12.20 | 12.77 | 13.26 | 14.44 | 16.11 | 1.76   | 1.30   | 0.62        | 0.77  | 0.81  | 6.36  | 7.17  | 28.62 | 7.34  |                  |
| 14:00 | 12.12 | 12.64 | 12.97 | 13.75 | 14.84 | 1.73   | 1.22   | 0.61        | 0.77  | 1.81  | 7.02  | 8.84  | 28.19 | 7.33  |                  |
| 15:00 | 10.02 | 10.46 | 10.81 | 12.00 | 13.60 | 1.25   | 1.08   | 0.60        | 0.77  | 1.70  | 7.57  | 9.29  | 29.77 | 7.22  |                  |
| 16:00 | 11.34 | 11.78 | 12.04 | 12.76 | 13.98 | 1.45   | 1.10   | 0.59        | 0.80  | 0.94  | 7.54  | 8.49  | 28.99 | 7.23  |                  |
| 17:00 | 15.29 | 15.97 | 16.42 | 17.50 | 19.65 | 1.84   | 1.40   | 0.63        | 0.84  | 1.32  | 10.03 | 11.36 | 25.90 | 7.23  |                  |
| 18:00 | 14.38 | 15.03 | 15.48 | 16.25 | 17.45 | 1.44   | n/a    | n/a         | 0.78  | 0.84  | 11.72 | 12.57 | 26.11 | 7.29  |                  |
| 19:00 | 11.59 | 12.16 | 12.54 | 13.21 | 13.80 | 1.24   | 1.09   | 0.60        | 0.75  | 2.20  | 16.28 | 18.49 | 23.19 | 7.27  |                  |
| 20:00 | 11.37 | 11.81 | 12.04 | 12.77 | 13.62 | 1.54   | 1.11   | 0.60        | 0.76  | 1.42  | 10.41 | 11.84 | 28.41 | 7.17  |                  |
| 21:00 | 12.43 | 12.83 | 13.09 | 13.66 | 14.67 | 1.43   | 1.17   | 0.58        | 0.78  | 1.62  | 12.65 | 14.28 | 24.06 | 7.17  |                  |
| 22:00 | 12.67 | 13.09 | 13.37 | 13.95 | 14.33 | 1.36   | 1.11   | 0.59        | 0.79  | 0.89  | 9.47  | 10.36 | 22.75 | 7.21  |                  |
| 23:00 | 12.49 | 12.89 | 13.16 | 13.91 | 14.82 | 1.54   | 1.20   | 0.58        | 0.78  | 0.63  | 10.23 | 10.86 | 24.16 | 7.11  |                  |
| 24:00 | 14.98 | 15.33 | 15.56 | 16.14 | 16.73 | 1.58   | 1.24   | 0.60        | 0.81  | 0.44  | 10.15 | 10.58 | 23.49 | 7.23  |                  |
| Min   | 10.02 | 10.46 | 10.81 | 12.00 | 13.60 | 1.24   | 1.08   | 0.58        | 0.75  | 0.44  | 6.36  | 7.17  | 10.49 | 7.11  |                  |
| Max   | 29.08 | 30.58 | 31.44 | 33.34 | 37.39 | 2.88   | 1.85   | 0.71        | 0.96  | 4.94  | 21.39 | 24.98 | 29.77 | 7.40  |                  |
| Medie | 17.11 | 18.07 | 18.64 | 19.67 | 21.23 | 1.72   | 1.31   | 0.63        | 0.81  | 1.60  | 12.42 | 14.03 | 22.58 | 7.25  |                  |

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

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

|                       |   |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

|   |               |
|---|---------------|
| 1 | Bun           |
| 2 | Acceptabil    |
| 3 | Moderat       |
| 4 | Rau           |
| 5 | Foarte rau    |
| 6 | Extrem de 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 - (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  |