

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
01 FEBRUARIE 2025**



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 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 | 28.55 | 31.16 | 33.48 | 35.84 | 38.09 | 1.28 | 1.12 | 0.56 | 0.25 | n/a | 15.05 | 12.01 | 64.43 | 9.85 | 0.003 |
| 2:00 | 30.90 | 33.76 | 36.18 | 38.69 | 41.26 | 1.44 | 1.35 | 0.62 | 0.26 | n/a | 10.57 | 6.78 | 67.67 | 8.97 | |
| 3:00 | 42.70 | 45.61 | 47.94 | 51.06 | 55.39 | 1.94 | 1.51 | 0.65 | 0.44 | n/a | 27.43 | 26.81 | 32.14 | 7.24 | |
| 4:00 | 38.93 | 41.73 | 44.02 | 46.47 | 50.59 | 2.21 | 1.75 | 0.69 | 0.40 | n/a | 22.90 | 21.88 | 31.87 | 6.62 | |
| 5:00 | 38.12 | 40.96 | 43.38 | 46.04 | 49.22 | 1.90 | 1.44 | 0.66 | 0.35 | n/a | 16.23 | 14.00 | 37.96 | 6.51 | |
| 6:00 | 30.12 | 32.63 | 34.78 | 37.01 | 39.36 | 1.46 | 1.25 | 0.65 | 0.29 | n/a | 11.72 | 8.66 | 47.76 | 6.51 | |
| 7:00 | 25.25 | 27.87 | 30.04 | 33.02 | 37.51 | 1.22 | 1.07 | 0.54 | 0.23 | n/a | 12.06 | 8.73 | 56.09 | 6.50 | |
| 8:00 | 23.70 | 25.90 | 27.69 | 29.17 | 31.05 | 1.17 | 0.92 | 0.46 | 0.22 | n/a | 6.21 | 2.73 | 67.86 | 6.38 | |
| 9:00 | 22.37 | 24.58 | 26.32 | 28.44 | 30.63 | 1.19 | 1.02 | 0.49 | 0.24 | n/a | 12.79 | 10.80 | 59.49 | 6.17 | |
| 10:00 | 24.52 | 26.78 | 28.56 | 31.40 | 35.99 | 1.90 | 1.34 | 0.56 | 0.27 | n/a | 13.07 | 12.51 | 57.00 | 6.39 | |
| 11:00 | 24.12 | 26.26 | 27.89 | 29.61 | 32.03 | 1.26 | 1.08 | 0.47 | 0.23 | n/a | 8.40 | 8.51 | 68.02 | 6.72 | |
| 12:00 | 23.90 | 25.79 | 27.06 | 28.59 | 31.77 | 1.41 | 1.06 | 0.53 | 0.23 | n/a | 5.15 | 3.29 | 69.31 | 6.43 | |
| 13:00 | 22.07 | 23.76 | 24.96 | 25.93 | 27.23 | 1.16 | 1.00 | 0.49 | 0.22 | n/a | 4.17 | 2.23 | 75.80 | 6.37 | |
| 14:00 | 21.87 | 23.78 | 25.10 | 27.99 | 32.34 | 1.41 | 1.18 | 0.56 | 0.22 | n/a | 5.81 | 4.42 | 77.56 | 6.35 | |
| 15:00 | 31.02 | 33.43 | 35.10 | 38.04 | 41.88 | 1.54 | 1.32 | 0.64 | 0.28 | n/a | 9.21 | 8.03 | 72.57 | 6.47 | |
| 16:00 | 29.21 | 31.39 | 32.96 | 36.32 | 40.52 | 1.46 | 1.24 | 0.59 | 0.27 | n/a | 10.45 | 9.67 | 81.52 | 6.70 | |
| 17:00 | 26.62 | 29.10 | 31.23 | 35.33 | 41.80 | 1.10 | 0.87 | 0.48 | 0.23 | n/a | 20.20 | 19.81 | 79.88 | 8.31 | |
| 18:00 | 25.91 | 28.19 | 29.87 | 33.14 | 38.03 | 1.34 | 1.05 | 0.57 | 0.25 | n/a | 12.50 | 9.70 | 84.30 | 6.59 | |
| 19:00 | 59.07 | 63.19 | 65.99 | 72.38 | 82.43 | 7.95 | 0.00 | 0.00 | 0.66 | n/a | 25.69 | 24.12 | 60.72 | 7.43 | |
| 20:00 | 71.83 | 76.24 | 79.04 | 83.89 | 88.93 | 10.65 | 4.96 | 1.23 | 0.88 | n/a | 48.01 | 57.89 | 35.29 | 6.46 | |
| 21:00 | 84.03 | 87.93 | 90.22 | 96.46 | 106.24 | 8.50 | 4.23 | 1.16 | 1.16 | n/a | 47.86 | 57.16 | 32.15 | 6.28 | |
| 22:00 | 84.30 | 88.44 | 91.00 | 96.49 | 103.63 | 7.77 | 4.78 | 1.24 | 1.22 | n/a | 49.23 | 78.62 | 26.54 | 6.29 | |
| 23:00 | 73.64 | 76.96 | 79.03 | 83.15 | 87.76 | 9.07 | 4.69 | 1.16 | 1.19 | n/a | 42.32 | 62.52 | 32.79 | 6.32 | |
| 24:00 | 139.94 | 145.00 | 147.51 | 152.37 | 158.53 | 12.44 | 6.54 | 1.45 | 2.13 | n/a | 43.89 | 105.65 | 36.54 | 6.68 | |
| Min | 21.87 | 23.76 | 24.96 | 25.93 | 27.23 | 1.10 | 0.00 | 0.00 | 0.22 | 0.00 | 4.17 | 2.23 | 26.54 | 6.17 | |
| Max | 139.94 | 145.00 | 147.51 | 152.37 | 158.53 | 12.44 | 6.54 | 1.45 | 2.13 | 0.00 | 49.23 | 105.65 | 84.30 | 9.85 | |
| Medie | 42.61 | 45.43 | 47.47 | 50.70 | 55.09 | 3.45 | 1.95 | 0.68 | 0.51 | #DIV/0! | 20.04 | 24.02 | 56.47 | 6.86 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 4 |
| Dioxid de azot (NO2) | 2 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 2 |
| Particule in suspensie (PM10) | 4 |

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

| | |
|-----------------------|---|
| Indice zilnic general | 4 |
|-----------------------|---|

*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 |

n/a lipsa date