

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
10 NOIEMBRIE 2025**



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE -Municipiul Sebeș

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 | 39.35 | 40.86 | 42.21 | 45.10 | 48.43 | 7.57 | 4.78 | 1.51 | 0.94 | 14.46 | 17.95 | 32.40 | 1.16 | 5.07 | N/A* |
| 2:00 | 37.56 | 39.08 | 40.45 | 42.46 | 44.73 | 7.42 | 4.57 | 1.49 | 0.92 | 12.67 | 14.70 | 27.38 | 1.08 | 5.07 | |
| 3:00 | 33.61 | 35.10 | 36.29 | 38.69 | 41.41 | 6.21 | 4.85 | 1.48 | 0.89 | 21.28 | 14.24 | 35.52 | 1.03 | 5.07 | |
| 4:00 | 24.66 | 26.11 | 27.47 | 30.41 | 33.18 | 5.35 | 4.06 | 1.45 | 0.68 | 19.64 | 14.85 | 34.47 | 0.93 | 5.07 | |
| 5:00 | 27.69 | 29.20 | 30.49 | 32.89 | 36.19 | 5.95 | 4.64 | 1.49 | 0.75 | 16.21 | 13.87 | 30.07 | 0.96 | 5.07 | |
| 6:00 | 30.81 | 32.11 | 33.20 | 35.11 | 36.55 | 5.61 | 4.26 | 1.42 | 0.79 | 23.40 | 13.57 | 36.97 | 0.98 | 5.07 | |
| 7:00 | 24.12 | 25.26 | 26.26 | 27.37 | 28.22 | 4.74 | 3.63 | 1.36 | 0.57 | 42.54 | 16.01 | 58.54 | 0.85 | 5.07 | |
| 8:00 | 21.87 | 22.95 | 23.94 | 25.45 | 27.98 | 5.37 | 4.54 | 1.46 | 0.51 | 37.20 | 20.29 | 57.48 | 1.62 | 5.07 | |
| 9:00 | 19.02 | 19.75 | 20.38 | 21.23 | 22.58 | 2.59 | 1.94 | 1.11 | 0.40 | 9.50 | 13.75 | 23.25 | 4.59 | 5.05 | |
| 10:00 | 29.61 | 31.18 | 32.19 | 33.74 | 35.66 | 3.35 | 2.56 | 1.16 | 0.47 | 12.29 | 16.09 | 28.38 | 3.82 | 5.07 | |
| 11:00 | 18.48 | 19.36 | 20.03 | 20.99 | 22.57 | 3.21 | 2.41 | 1.26 | 0.36 | 8.14 | 11.98 | 20.10 | 5.31 | 5.06 | |
| 12:00 | 13.51 | 14.32 | 14.94 | 16.50 | 19.41 | 2.41 | 1.74 | 1.14 | 0.35 | 7.45 | 14.42 | 21.88 | 5.27 | 5.07 | |
| 13:00 | 18.50 | 19.45 | 20.22 | 21.86 | 23.88 | 2.83 | 1.92 | 1.16 | 0.36 | 6.04 | 10.79 | 16.83 | 8.12 | 5.07 | |
| 14:00 | 15.24 | 16.18 | 16.92 | 18.63 | 21.37 | 2.91 | 1.87 | 1.16 | 0.33 | 5.34 | 8.37 | 13.72 | 10.21 | 5.07 | |
| 15:00 | 15.09 | 15.93 | 16.48 | 17.11 | 18.02 | 2.59 | 2.20 | 1.66 | 0.32 | 4.64 | 8.53 | 13.17 | 11.34 | 5.07 | |
| 16:00 | 23.97 | 24.86 | 25.38 | 26.56 | 27.89 | 2.59 | 1.87 | 1.18 | 0.44 | 9.28 | 13.45 | 22.73 | 10.12 | 5.07 | |
| 17:00 | 32.89 | 34.12 | 35.13 | 37.14 | 39.32 | 5.24 | 6.27 | 1.51 | 0.57 | 12.88 | 19.71 | 32.60 | 5.25 | 5.09 | |
| 18:00 | 33.38 | 35.09 | 36.48 | 40.69 | 46.56 | 6.08 | n/a | n/a | 0.77 | 25.80 | 23.43 | 49.24 | 3.59 | 5.08 | |
| 19:00 | 26.16 | 27.69 | 28.81 | 32.19 | 36.81 | 4.87 | 2.92 | 1.34 | 0.61 | 13.35 | 24.23 | 37.58 | 2.14 | 5.08 | |
| 20:00 | 28.50 | 29.84 | 31.10 | 33.79 | 37.64 | 8.09 | 3.88 | 1.46 | 0.84 | 10.33 | 23.48 | 33.81 | 1.81 | 5.07 | |
| 21:00 | 35.23 | 37.11 | 38.58 | 40.90 | 42.69 | 7.22 | 4.08 | 1.81 | 0.85 | 9.01 | 20.16 | 29.15 | 2.41 | 5.07 | |
| 22:00 | 32.70 | 34.31 | 35.67 | 38.57 | 41.55 | 7.78 | 4.63 | 1.65 | 0.77 | 7.08 | 18.35 | 25.43 | 2.49 | 5.07 | |
| 23:00 | 43.65 | 45.85 | 47.42 | 50.44 | 54.06 | 8.39 | 4.86 | 1.74 | 0.97 | 11.08 | 21.08 | 32.17 | 1.78 | 5.07 | |
| 24:00 | 32.07 | 33.33 | 34.20 | 35.38 | 36.29 | 5.25 | 3.59 | 1.47 | 0.66 | 10.81 | 21.08 | 31.89 | 1.53 | 5.07 | |
| Min | 13.51 | 14.32 | 14.94 | 16.50 | 18.02 | 2.41 | 1.74 | 1.11 | 0.32 | 4.64 | 8.37 | 13.17 | 0.85 | 5.05 | |
| Max | 43.65 | 45.85 | 47.42 | 50.44 | 54.06 | 8.39 | 6.27 | 1.81 | 0.97 | 42.54 | 24.23 | 58.54 | 11.34 | 5.09 | |
| Medie | 27.40 | 28.71 | 29.76 | 31.80 | 34.29 | 5.15 | 3.57 | 1.41 | 0.63 | 14.60 | 16.43 | 31.03 | 3.68 | 5.07 | |

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

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

| | |
|---|---------------|
| 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 - Analizorul de formaldehidă (CHOH) trimis in Finlanda pentru calibrare în laborator