

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
17 APRILIE 2026**



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 | 10.87 | 12.70 | 14.88 | 17.53 | 21.74 | 0.47 | 1.07 | 0.39 | 0.21 | 3.15 | 23.85 | 26.96 | 17.32 | 18.02 | N/A |
| 2:00 | 10.92 | 12.63 | 14.60 | 16.38 | 19.51 | 0.45 | n/a | n/a | 0.21 | 11.70 | 37.93 | 49.63 | 7.41 | 17.93 | |
| 3:00 | 13.24 | 15.19 | 17.26 | 20.68 | 25.62 | 0.64 | 0.59 | 0.32 | 0.23 | 6.38 | 37.27 | 43.65 | 4.15 | 17.95 | |
| 4:00 | 13.71 | 15.62 | 17.62 | 20.79 | 26.41 | 0.57 | 0.57 | 0.37 | 0.22 | 10.21 | 37.15 | 47.36 | 3.71 | 17.77 | |
| 5:00 | 14.67 | 16.56 | 18.59 | 21.48 | 27.48 | 0.86 | 0.96 | 0.37 | 0.23 | 4.32 | 26.97 | 31.27 | 6.68 | 17.66 | |
| 6:00 | 13.79 | 15.97 | 18.17 | 22.98 | 31.99 | 0.64 | 0.96 | 0.40 | 0.23 | 28.43 | 32.30 | 60.72 | 2.85 | 17.85 | |
| 7:00 | 15.53 | 17.95 | 20.51 | 26.04 | 34.55 | 0.87 | 1.01 | 0.38 | 0.27 | 36.98 | 26.97 | 63.95 | 3.21 | 18.16 | |
| 8:00 | 14.96 | 17.58 | 20.25 | 27.16 | 37.23 | 0.73 | 0.63 | 0.31 | 0.24 | 35.48 | 25.55 | 61.01 | 5.62 | 18.22 | |
| 9:00 | 14.14 | 18.05 | 22.39 | 33.19 | 50.01 | 0.93 | 1.49 | 0.48 | 0.27 | 35.73 | 27.05 | 62.77 | 11.83 | 18.27 | |
| 10:00 | 13.74 | 19.51 | 25.82 | 44.42 | 72.53 | 0.74 | 1.26 | 0.45 | 0.25 | 34.60 | 30.97 | 65.57 | 19.06 | 18.55 | |
| 11:00 | 14.98 | 20.18 | 25.84 | 43.37 | 72.74 | 0.79 | 1.31 | 0.48 | 0.28 | 32.49 | 25.92 | 58.41 | 19.95 | 18.40 | |
| 12:00 | 16.63 | 20.07 | 23.65 | 34.68 | 52.64 | 0.67 | 1.10 | 0.44 | 0.25 | 20.40 | 17.76 | 38.15 | 25.23 | 18.18 | |
| 13:00 | 15.08 | 17.70 | 20.48 | 27.25 | 39.99 | 0.55 | 0.42 | 0.29 | 0.21 | 3.33 | 5.56 | 8.85 | 39.47 | 17.91 | |
| 14:00 | 12.39 | 14.40 | 16.57 | 20.76 | 28.53 | 0.55 | 0.37 | 0.28 | 0.20 | 1.25 | 3.57 | 4.74 | 47.73 | 17.72 | |
| 15:00 | 9.62 | 13.16 | 16.99 | 28.87 | 46.96 | 0.56 | 1.01 | 0.41 | 0.24 | 23.06 | 38.75 | 61.81 | 33.61 | 18.20 | |
| 16:00 | 9.09 | 13.14 | 17.26 | 34.20 | 62.09 | 0.55 | 0.85 | 0.45 | 0.24 | 14.97 | 22.49 | 37.47 | 36.53 | 18.00 | |
| 17:00 | 9.45 | 12.93 | 16.27 | 31.54 | 56.70 | 0.96 | 0.62 | 0.38 | 0.25 | 5.83 | 11.22 | 17.05 | 44.35 | 17.87 | |
| 18:00 | 11.36 | 14.53 | 17.54 | 29.50 | 51.69 | 1.73 | 1.27 | 0.49 | 0.26 | 5.92 | 13.82 | 19.72 | 44.19 | 17.95 | |
| 19:00 | 12.02 | 15.26 | 18.56 | 30.60 | 52.74 | 1.14 | 0.85 | 0.45 | 0.26 | 10.18 | 23.20 | 33.37 | 32.13 | 18.09 | |
| 20:00 | 13.38 | 16.52 | 20.06 | 29.67 | 45.00 | 1.70 | 1.29 | 0.45 | 0.40 | 6.78 | 30.91 | 37.68 | 23.37 | 18.09 | |
| 21:00 | 35.92 | 40.61 | 45.11 | 60.02 | 82.38 | 5.31 | 2.69 | 1.72 | 0.68 | 12.05 | 35.44 | 47.50 | 14.35 | 18.18 | |
| 22:00 | 39.91 | 44.24 | 48.40 | 59.91 | 78.03 | 3.90 | 3.72 | 1.09 | 0.67 | 12.72 | 36.48 | 49.21 | 7.38 | 18.16 | |
| 23:00 | 22.19 | 24.74 | 27.26 | 34.78 | 46.38 | 1.22 | 1.01 | 0.54 | 0.37 | 37.06 | 47.33 | 84.40 | 1.48 | 18.20 | |
| 24:00 | 20.91 | 23.37 | 25.81 | 32.63 | 43.53 | 1.45 | 1.14 | 0.54 | 0.39 | 33.41 | 39.59 | 73.00 | 1.80 | 18.12 | |
| Min | 9.09 | 12.63 | 14.60 | 16.38 | 19.51 | 0.45 | 0.37 | 0.28 | 0.20 | 1.25 | 3.57 | 4.74 | 1.48 | 17.66 | |
| Max | 39.91 | 44.24 | 48.40 | 60.02 | 82.38 | 5.31 | 3.72 | 1.72 | 0.68 | 37.06 | 47.33 | 84.40 | 47.73 | 18.55 | |
| Medie | 15.77 | 18.86 | 22.08 | 31.19 | 46.10 | 1.17 | 1.14 | 0.50 | 0.29 | 17.77 | 27.42 | 45.18 | 18.89 | 18.06 | |

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) | 1 |
| Particule in suspensie (PM10) | 2 |

| | |
|---|---------------|
| 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 |

*N/A - Analizorul de formaldehidă (CHOH) trimis in Finlanda pentru calibrare în laborator