

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
16 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 | 20.12 | 22.90 | 25.50 | 33.01 | 42.61 | 1.28 | 1.37 | 0.46 | 0.36 | 8.16 | 46.43 | 54.58 | 2.72 | 17.30 | N/A |
| 2:00 | 17.33 | 19.57 | 21.61 | 28.59 | 39.76 | 1.11 | 1.12 | 0.37 | 0.29 | 10.13 | 41.96 | 52.10 | 2.29 | 17.38 | |
| 3:00 | 17.82 | 19.94 | 21.73 | 28.31 | 40.53 | 0.95 | 1.03 | 0.37 | 0.27 | 11.19 | 37.06 | 48.25 | 4.49 | 17.24 | |
| 4:00 | 16.40 | 18.41 | 20.20 | 26.33 | 37.11 | 0.86 | 0.83 | 0.28 | 0.26 | 9.46 | 34.09 | 43.55 | 3.77 | 17.35 | |
| 5:00 | 18.64 | 20.58 | 22.37 | 28.27 | 37.76 | 1.03 | 0.96 | 0.31 | 0.28 | 15.07 | 31.25 | 46.30 | 3.90 | 17.43 | |
| 6:00 | 14.53 | 16.41 | 18.13 | 24.92 | 37.33 | 0.69 | 0.64 | 0.23 | 0.24 | 33.22 | 33.86 | 67.08 | 1.63 | 17.56 | |
| 7:00 | 16.06 | 18.29 | 20.45 | 28.43 | 44.40 | 0.89 | 2.95 | 0.70 | 0.24 | 34.65 | 33.12 | 67.77 | 3.07 | 17.54 | |
| 8:00 | 15.53 | 18.15 | 20.75 | 30.89 | 46.18 | 0.89 | 1.40 | 0.48 | 0.25 | 61.45 | 28.45 | 89.89 | 3.57 | 17.74 | |
| 9:00 | 13.98 | 16.70 | 19.10 | 31.47 | 54.62 | 0.79 | 0.71 | 0.26 | 0.25 | 17.60 | 21.99 | 39.60 | 19.59 | 18.16 | |
| 10:00 | 9.83 | 12.97 | 15.87 | 29.88 | 58.94 | 6.65 | 0.58 | 0.23 | 0.22 | 9.01 | 10.55 | 19.56 | 40.91 | 18.65 | |
| 11:00 | 9.95 | 12.82 | 15.52 | 29.05 | 51.52 | 1.80 | 0.73 | 0.39 | 0.21 | 4.42 | 7.87 | 12.28 | 48.28 | 18.18 | |
| 12:00 | 8.73 | 11.17 | 13.36 | 25.27 | 46.64 | 1.00 | 0.45 | 0.29 | 0.21 | 7.69 | 11.39 | 19.06 | 50.19 | 18.13 | |
| 13:00 | 8.79 | 11.75 | 14.53 | 27.55 | 48.56 | 0.86 | 0.65 | 0.29 | 0.22 | 13.22 | 17.69 | 30.91 | 49.06 | 18.02 | |
| 14:00 | 8.81 | 12.65 | 16.61 | 30.93 | 54.47 | 0.94 | 0.45 | 0.29 | 0.21 | 12.48 | 15.87 | 28.31 | 50.69 | 17.75 | |
| 15:00 | 8.82 | 12.39 | 16.14 | 29.42 | 51.65 | 0.88 | 0.47 | 0.27 | 0.22 | 15.72 | 20.24 | 35.96 | 50.37 | 17.97 | |
| 16:00 | 8.25 | 11.55 | 14.99 | 26.37 | 45.60 | 0.39 | 0.38 | 0.29 | 0.21 | 9.62 | 13.10 | 22.68 | 54.66 | 17.77 | |
| 17:00 | 8.45 | 11.61 | 14.74 | 27.77 | 49.38 | 0.41 | 0.52 | 0.33 | 0.22 | 11.36 | 16.13 | 27.48 | 50.45 | 17.69 | |
| 18:00 | 8.72 | 12.39 | 15.99 | 30.47 | 52.80 | 0.41 | 0.70 | 0.40 | 0.22 | 6.08 | 14.10 | 20.11 | 49.52 | 17.70 | |
| 19:00 | 8.64 | 11.49 | 14.45 | 24.59 | 40.85 | 0.53 | 0.43 | 0.38 | 0.19 | 0.91 | 11.81 | 12.57 | 43.33 | 17.76 | |
| 20:00 | 10.38 | 14.20 | 17.98 | 34.28 | 65.64 | 1.24 | 1.73 | 0.59 | 0.26 | 14.20 | 22.56 | 36.76 | 38.51 | 17.77 | |
| 21:00 | 17.00 | 20.50 | 23.93 | 36.77 | 56.63 | 1.45 | 1.09 | 0.53 | 0.30 | 8.64 | 19.53 | 28.16 | 37.28 | 17.93 | |
| 22:00 | 15.90 | 19.34 | 23.06 | 31.26 | 42.30 | 1.45 | 1.11 | 0.49 | 0.30 | 2.93 | 15.76 | 18.67 | 34.78 | 18.09 | |
| 23:00 | 12.60 | 14.80 | 17.41 | 20.70 | 24.26 | 1.64 | 0.88 | 0.41 | 0.24 | 2.14 | 20.08 | 22.17 | 30.12 | 17.85 | |
| 24:00 | 11.09 | 12.99 | 15.07 | 18.11 | 22.11 | 0.63 | 0.82 | 0.40 | 0.25 | 2.85 | 22.36 | 25.17 | 21.54 | 17.97 | |
| Min | 8.25 | 11.17 | 13.36 | 18.11 | 22.11 | 0.39 | 0.38 | 0.23 | 0.19 | 0.91 | 7.87 | 12.28 | 1.63 | 17.24 | |
| Max | 20.12 | 22.90 | 25.50 | 36.77 | 65.64 | 6.65 | 2.95 | 0.70 | 0.36 | 61.45 | 46.43 | 89.89 | 54.66 | 18.65 | |
| Medie | 12.77 | 15.56 | 18.31 | 28.44 | 45.48 | 1.20 | 0.92 | 0.38 | 0.25 | 13.43 | 22.80 | 36.21 | 28.95 | 17.79 | |

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) | 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