

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
03 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 | 44.92 | 47.04 | 49.12 | 53.42 | 58.37 | 4.88 | 4.33 | 1.47 | 0.93 | 5.17 | 19.55 | 24.72 | 8.09 | 4.81 | 0.002 |
| 2:00 | 27.99 | 29.99 | 31.97 | 35.73 | 39.79 | 3.56 | 3.88 | 1.36 | 0.72 | 6.32 | 16.74 | 23.07 | 7.12 | 4.80 | |
| 3:00 | 30.73 | 32.90 | 35.11 | 38.88 | 42.55 | 3.36 | 4.32 | 1.40 | 0.71 | 6.45 | 18.35 | 24.81 | 3.79 | 4.81 | |
| 4:00 | 24.26 | 26.01 | 27.74 | 30.79 | 33.92 | 2.48 | 4.09 | 1.35 | 0.58 | 3.72 | 13.54 | 17.26 | 5.81 | 4.81 | |
| 5:00 | 14.23 | 15.92 | 17.72 | 21.69 | 25.67 | 2.27 | 3.95 | 1.45 | 0.41 | 5.41 | 14.16 | 19.58 | 5.88 | 4.80 | |
| 6:00 | 13.02 | 14.55 | 16.43 | 18.98 | 21.34 | 1.99 | 3.43 | 1.32 | 0.40 | 10.99 | 17.66 | 28.66 | 4.71 | 4.81 | |
| 7:00 | 20.34 | 22.60 | 24.94 | 30.74 | 37.71 | 5.44 | 4.51 | 1.40 | 0.53 | 30.42 | 25.36 | 55.78 | 1.82 | 4.81 | |
| 8:00 | 25.25 | 29.46 | 34.15 | 48.42 | 66.65 | 7.01 | 7.68 | 1.88 | 0.75 | 113.52 | 35.57 | 149.10 | 1.49 | 4.96 | |
| 9:00 | 42.80 | 48.48 | 54.65 | 73.07 | 96.07 | 8.42 | 7.65 | 1.95 | 0.88 | 98.97 | 38.87 | 137.84 | 2.40 | 5.00 | |
| 10:00 | 27.11 | 31.85 | 36.58 | 56.90 | 82.49 | 5.37 | 4.47 | 1.50 | 0.53 | 34.91 | 27.84 | 62.75 | 8.59 | 4.86 | |
| 11:00 | 26.54 | 30.93 | 34.70 | 49.81 | 71.12 | 3.11 | 3.19 | 1.18 | 0.41 | 22.87 | 25.75 | 48.62 | 14.71 | 4.86 | |
| 12:00 | 19.42 | 23.85 | 27.79 | 46.18 | 73.73 | 1.84 | n/a | n/a | 0.30 | 16.63 | 26.78 | 43.41 | 23.10 | 4.93 | |
| 13:00 | 16.91 | 20.33 | 23.45 | 36.71 | 57.41 | 1.82 | 2.73 | 1.25 | 0.27 | 10.33 | 21.81 | 32.13 | 31.28 | 4.96 | |
| 14:00 | 10.22 | 12.29 | 14.35 | 20.40 | 28.67 | 1.26 | 2.03 | 0.80 | 0.21 | 3.78 | 10.66 | 14.43 | 39.80 | 5.07 | |
| 15:00 | 9.19 | 12.01 | 14.68 | 25.68 | 41.74 | 1.27 | 1.50 | 0.75 | 0.21 | 2.48 | 8.86 | 11.33 | 42.44 | 5.07 | |
| 16:00 | 8.67 | 11.02 | 13.22 | 23.04 | 36.63 | 1.16 | 1.63 | 0.89 | 0.22 | 2.31 | 9.60 | 11.91 | 41.66 | 5.06 | |
| 17:00 | 22.28 | 27.49 | 31.11 | 42.97 | 60.33 | 3.77 | 5.80 | 1.52 | 0.28 | 12.06 | 23.68 | 35.75 | 32.84 | 5.06 | |
| 18:00 | 9.24 | 11.45 | 13.67 | 20.85 | 32.28 | 1.84 | 1.52 | 1.04 | 0.24 | 6.60 | 13.22 | 19.83 | 37.54 | 5.37 | |
| 19:00 | 14.02 | 16.09 | 18.24 | 23.28 | 30.30 | 2.20 | 1.53 | 1.03 | 0.34 | 7.44 | 13.25 | 20.68 | 31.66 | 5.33 | |
| 20:00 | 15.67 | 16.98 | 18.25 | 21.17 | 26.08 | 1.64 | 1.47 | 1.08 | 0.31 | 4.99 | 8.17 | 13.16 | 26.08 | 4.90 | |
| 21:00 | 5.80 | 6.49 | 7.30 | 8.93 | 11.25 | 1.24 | 1.24 | 1.03 | 0.25 | 4.21 | 6.06 | 10.27 | 30.69 | 4.82 | |
| 22:00 | 3.39 | 3.83 | 4.18 | 5.70 | 7.54 | 1.07 | 1.16 | 0.97 | 0.22 | 2.97 | 4.49 | 7.46 | 35.05 | 4.82 | |
| 23:00 | 3.25 | 3.56 | 3.83 | 4.61 | 6.01 | 0.75 | 0.90 | 0.98 | 0.19 | 2.90 | 4.14 | 7.05 | 32.16 | 4.82 | |
| 24:00 | 3.12 | 3.41 | 3.69 | 4.38 | 5.10 | 0.66 | 0.81 | 0.92 | 0.17 | 2.09 | 3.18 | 5.26 | 31.70 | 4.81 | |
| Min | 3.12 | 3.41 | 3.69 | 4.38 | 5.10 | 0.66 | 0.81 | 0.75 | 0.17 | 2.09 | 3.18 | 5.26 | 1.49 | 4.80 | |
| Max | 44.92 | 48.48 | 54.65 | 73.07 | 96.07 | 8.42 | 7.68 | 1.95 | 0.93 | 113.52 | 38.87 | 149.10 | 42.44 | 5.37 | |
| Medie | 18.27 | 20.77 | 23.20 | 30.93 | 41.36 | 2.85 | 3.21 | 1.24 | 0.42 | 17.40 | 16.97 | 34.37 | 20.85 | 4.93 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 3 |
| 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 | 3 |
|-----------------------|---|

*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 |