# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
## 12 NOIEMBRIE 2026

PRIMĂRIA MUNICIPIULUI SEBEȘ

## 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 | Formaldehida |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 52.62 | 54.93 | 56.01 | 57.35 | 59.16 | 3.17 | 2.64 | 0.87 | 0.79 | 9.25 | 29.22 | 38.49 | 8.96 | 11.82 | |
| 2:00 | 42.82 | 44.58 | 45.33 | 45.61 | 45.85 | 3.01 | 2.27 | 0.77 | 0.63 | 17.04 | 29.90 | 46.94 | 7.62 | 11.82 | |
| 3:00 | 25.78 | 26.78 | 27.27 | 27.62 | 27.93 | 1.68 | 1.26 | n/a | 0.40 | 7.07 | 24.12 | 31.14 | 9.88 | 11.87 | |
| 4:00 | 20.88 | 21.54 | 21.90 | 22.51 | 23.19 | 1.58 | 1.26 | n/a | 0.39 | 2.90 | 20.39 | 23.20 | 10.73 | 11.88 | |
| 5:00 | 18.49 | 19.11 | 19.53 | 20.19 | 20.98 | 1.72 | 1.27 | 0.60 | 0.39 | 6.51 | 24.19 | 30.69 | 8.90 | 11.84 | |
| 6:00 | 18.03 | 18.83 | 19.52 | 20.56 | 21.61 | 2.72 | 1.53 | 0.59 | 0.37 | 27.94 | 27.80 | 55.74 | 7.65 | 11.92 | |
| 7:00 | 18.54 | 19.65 | 20.50 | 21.66 | 23.31 | 1.54 | 1.65 | 0.60 | 0.37 | 57.26 | 30.56 | 87.84 | 7.50 | 12.09 | |
| 8:00 | 15.66 | 16.58 | 17.40 | 18.04 | 18.50 | 1.62 | 1.47 | 0.61 | 0.40 | 56.22 | 34.32 | 90.52 | 7.85 | 11.99 | |
| 9:00 | 16.42 | 17.62 | 18.60 | 19.84 | 21.20 | 1.62 | 1.26 | 0.56 | 0.39 | 81.65 | 37.45 | 119.11 | 7.94 | 12.11 | |
| 10:00 | 18.96 | 20.18 | 21.25 | 22.80 | 25.08 | 1.74 | 1.71 | 0.65 | 0.50 | 57.34 | 35.20 | 92.53 | 8.69 | 12.05 | |
| 11:00 | 24.29 | 26.15 | 27.72 | 29.53 | 31.96 | 2.05 | 2.90 | 0.84 | 0.56 | 59.52 | 37.21 | 96.73 | 8.82 | 12.17 | |
| 12:00 | 15.44 | 16.61 | 17.57 | 19.11 | 21.11 | 1.51 | 1.29 | 0.60 | 0.44 | 43.09 | 36.62 | 79.70 | 10.45 | 12.03 | 0.003 |
| 13:00 | 8.42 | 9.22 | 9.95 | 11.69 | 14.02 | 1.30 | 2.19 | 1.05 | 0.36 | 16.21 | 19.63 | 35.85 | 24.93 | 11.97 | |
| 14:00 | 4.45 | 5.35 | 6.22 | 8.66 | 12.76 | 0.82 | 1.90 | n/a | 0.25 | 8.74 | 12.87 | 21.62 | 35.47 | 12.16 | |
| 15:00 | 4.21 | 5.27 | 6.31 | 9.76 | 15.23 | 0.45 | 0.92 | 0.74 | 0.22 | 7.04 | 11.90 | 18.93 | 37.97 | 12.13 | |
| 16:00 | 5.20 | 5.94 | 6.72 | 8.79 | 11.65 | 1.06 | 1.09 | 0.77 | 0.26 | 11.09 | 17.93 | 29.02 | 36.31 | 12.12 | |
| 17:00 | 7.43 | 8.43 | 9.57 | 11.08 | 13.09 | 1.22 | 1.55 | n/a | 0.34 | 18.18 | 34.84 | 53.01 | 26.78 | 12.33 | |
| 18:00 | 17.74 | 19.81 | 21.70 | 25.63 | 30.72 | 2.24 | 2.85 | n/a | 0.52 | 58.05 | 53.23 | 111.28 | 12.84 | 12.33 | |
| 19:00 | 19.50 | 20.84 | 22.19 | 24.56 | 27.80 | 2.15 | 1.85 | 1.03 | 0.48 | 7.93 | 35.66 | 43.56 | 16.77 | 12.32 | |
| 20:00 | 28.85 | 30.95 | 32.97 | 35.74 | 38.50 | 3.04 | 3.06 | 1.00 | 0.65 | 47.91 | 52.47 | 100.37 | 9.04 | 12.36 | |
| 21:00 | 25.25 | 28.12 | 31.29 | 34.95 | 38.42 | 2.45 | 1.73 | 0.89 | 0.52 | 61.10 | 49.52 | 110.62 | 7.98 | 12.22 | |
| 22:00 | 31.62 | 34.04 | 36.30 | 39.46 | 42.80 | 2.04 | 1.57 | 0.81 | 0.52 | 26.56 | 43.10 | 69.67 | 9.42 | 12.32 | |
| 23:00 | 28.52 | 30.58 | 32.63 | 35.81 | 38.94 | 2.56 | 2.36 | n/a | 0.61 | 31.87 | 42.04 | 73.92 | 8.52 | 12.37 | |
| 24:00 | 26.38 | 28.32 | 30.18 | 32.98 | 36.52 | 2.23 | 1.94 | 0.84 | 0.58 | 43.75 | 36.78 | 80.53 | 7.98 | 12.29 | |
| **Min** | **4.21** | **5.27** | **6.22** | **8.66** | **11.65** | **0.45** | **0.92** | **0.56** | **0.22** | **2.90** | **11.90** | **18.93** | **7.50** | **11.82** | |
| **Max** | **52.62** | **54.93** | **56.01** | **57.35** | **59.16** | **3.17** | **3.06** | **1.05** | **0.79** | **81.65** | **53.23** | **119.11** | **37.97** | **12.37** | |
| **Medie** | **20.65** | **22.06** | **23.28** | **25.16** | **27.51** | **1.90** | **1.81** | **0.77** | **0.46** | **31.84** | **32.37** | **64.21** | **14.13** | **12.10** | |

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

| | |
|---|---|
| Particule in suspensie (PM2,5) | 3 |
| Dioxid de azot (NO2) | 2 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 1 |
| Particule in suspensie (PM10) | 2 |

| | |
|---|---|
| Indice zilnic general | 3 |

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

***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 |