# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
# 28 OCTOMBRIE 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 | 27.55 | 29.33 | 30.72 | 34.97 | 39.89 | 3.72 | 2.48 | 0.82 | 0.64 | 23.34 | 31.33 | 54.68 | 7.76 | 8.37 | |
| 2:00 | 22.89 | 24.13 | 25.10 | 27.90 | 31.01 | 1.82 | 1.80 | 0.61 | 0.52 | 9.74 | 27.07 | 36.80 | 7.99 | 8.38 | |
| 3:00 | 22.55 | 23.71 | 24.77 | 26.47 | 28.38 | 1.78 | 1.96 | 0.64 | 0.50 | 8.55 | 23.57 | 32.12 | 7.90 | 8.38 | |
| 4:00 | 18.01 | 19.02 | 19.90 | 21.90 | 23.98 | 1.38 | 1.51 | 0.50 | 0.36 | 20.25 | 24.31 | 44.56 | 7.10 | 8.37 | |
| 5:00 | 16.61 | 17.57 | 18.36 | 19.95 | 21.67 | 1.49 | 1.72 | 0.56 | 0.35 | 37.86 | 25.27 | 63.13 | 7.01 | 8.38 | |
| 6:00 | 21.21 | 22.97 | 24.31 | 27.68 | 31.31 | 2.18 | 1.98 | 0.60 | 0.39 | 49.78 | 26.31 | 76.09 | 7.05 | 8.54 | |
| 7:00 | 20.99 | 23.38 | 25.30 | 30.53 | 38.05 | 2.55 | 3.00 | 0.82 | 0.42 | 81.14 | 28.25 | 109.38 | 7.16 | 8.52 | |
| 8:00 | 24.36 | 26.66 | 28.62 | 33.20 | 39.73 | 3.16 | n/a | n/a | 0.48 | 66.28 | 23.20 | 89.48 | 7.13 | 8.48 | |
| 9:00 | 28.89 | 32.20 | 35.24 | 45.33 | 59.18 | 3.39 | 3.60 | 0.93 | 0.67 | 94.03 | 28.49 | 122.52 | 7.49 | 8.59 | |
| 10:00 | 32.34 | 35.76 | 39.14 | 49.95 | 64.72 | 5.42 | 3.48 | 0.94 | 0.59 | 75.42 | 31.06 | 106.48 | 7.94 | 8.62 | |
| 11:00 | 33.68 | 37.34 | 40.50 | 52.86 | 70.59 | 3.60 | 2.60 | n/a | 0.52 | 48.56 | 30.67 | 79.24 | 10.39 | 8.49 | |
| 12:00 | 11.59 | 13.73 | 16.01 | 22.48 | 33.84 | 1.08 | 1.57 | n/a | 0.28 | 27.78 | 23.08 | 50.86 | 14.70 | 8.40 | |
| 13:00 | 6.75 | 8.00 | 9.17 | 12.49 | 18.65 | 0.68 | 0.78 | 0.25 | 0.22 | 12.22 | 13.36 | 25.52 | 17.85 | 8.41 | 0.005 |
| 14:00 | 2.37 | 2.82 | 3.28 | 4.59 | 6.53 | 0.49 | 0.64 | 0.25 | 0.19 | 3.95 | 5.17 | 8.89 | 24.65 | 8.35 | |
| 15:00 | 3.91 | 4.57 | 5.08 | 7.29 | 10.69 | 0.56 | 0.49 | 0.24 | 0.20 | 1.54 | 5.40 | 6.71 | 27.45 | 8.41 | |
| 16:00 | 6.82 | 7.47 | 7.98 | 9.81 | 11.49 | 0.95 | 0.70 | 0.29 | 0.23 | 1.73 | 5.94 | 7.26 | 28.42 | 8.29 | |
| 17:00 | 10.10 | 10.89 | 11.58 | 13.34 | 16.15 | 1.02 | 0.86 | 0.36 | 0.31 | 1.78 | 7.91 | 9.09 | 26.98 | 8.51 | |
| 18:00 | 13.65 | 14.92 | 15.68 | 18.17 | 21.82 | 1.59 | 0.99 | n/a | 0.36 | 3.00 | 20.90 | 23.70 | 18.52 | 8.57 | |
| 19:00 | 11.69 | 12.78 | 13.53 | 16.81 | 21.04 | 1.14 | 0.92 | 0.40 | 0.41 | 8.74 | 31.93 | 40.63 | 11.86 | 8.54 | |
| 20:00 | 10.82 | 11.68 | 12.49 | 14.76 | 17.15 | 1.20 | 0.87 | 0.40 | 0.34 | 2.50 | 18.41 | 20.74 | 15.19 | 8.61 | |
| 21:00 | 41.25 | 45.00 | 47.85 | 56.26 | 66.53 | 7.76 | 4.58 | n/a | 1.15 | 48.40 | 35.33 | 83.74 | 9.79 | 8.80 | |
| 22:00 | 74.30 | 78.93 | 82.76 | 94.15 | 107.79 | 7.52 | 5.68 | 1.93 | 1.48 | 62.03 | 34.18 | 96.21 | 9.06 | 8.64 | |
| 23:00 | 87.75 | 92.70 | 96.09 | 106.87 | 121.62 | 10.34 | 6.30 | 1.42 | 1.84 | 53.30 | 31.31 | 84.61 | 9.54 | 8.78 | |
| 24:00 | 58.39 | 61.84 | 64.54 | 71.58 | 80.91 | 4.91 | 3.77 | n/a | 1.14 | 29.41 | 28.05 | 57.46 | 8.44 | 8.74 | |
| **Min** | **2.37** | **2.82** | **3.28** | **4.59** | **6.53** | **0.49** | **0.49** | **0.24** | **0.19** | **1.54** | **5.17** | **6.71** | **7.01** | **8.29** | |
| **Max** | **87.75** | **92.70** | **96.09** | **106.87** | **121.62** | **10.34** | **6.30** | **1.93** | **1.84** | **94.03** | **35.33** | **122.52** | **28.42** | **8.80** | |
| **Medie** | **25.35** | **27.39** | **29.08** | **34.14** | **40.95** | **2.91** | **2.27** | **0.66** | **0.57** | **32.14** | **23.35** | **55.41** | **12.81** | **8.51** | |

**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 |

| | |
|---|---|
| Indice zilnic general | 4 |

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