

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

## 10 AUGUST 2026

### DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE -Municipiul Sebeş

Valori medii orare



| Time  | PM1   | PM2.5 | PM4   | PM10  | PMtot  | Benzen | Toluen | Etil-benzen | CO    | NO    | NO2   | NOx   | O3    | SO2   | Formald<br>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  | 7.57  | 9.40  | 11.22 | 19.25 | 29.53  | 0.38   | 1.10   | 1.85        | 0.19  | 6.54  | 46.93 | 53.41 | 9.11  | 11.59 | N/A              |
| 2:00  | 9.17  | 10.95 | 12.79 | 20.35 | 29.87  | 0.31   | 0.72   | 1.74        | 0.19  | 3.54  | 38.06 | 41.57 | 10.27 | 11.40 |                  |
| 3:00  | 9.70  | 11.26 | 12.81 | 18.84 | 26.14  | 0.33   | 0.81   | 1.75        | 0.18  | 12.03 | 30.40 | 42.39 | 7.33  | 11.49 |                  |
| 4:00  | 9.80  | 11.42 | 13.07 | 19.53 | 26.94  | 0.30   | 0.74   | 1.83        | 0.18  | 9.31  | 30.40 | 39.67 | 5.33  | 11.76 |                  |
| 5:00  | 9.42  | 10.89 | 12.36 | 18.35 | 26.18  | 0.33   | 0.90   | 1.72        | 0.18  | 17.63 | 29.68 | 47.31 | 2.03  | 11.51 |                  |
| 6:00  | 9.66  | 11.29 | 12.88 | 19.65 | 27.85  | 0.32   | 1.06   | 1.62        | 0.18  | 17.79 | 29.05 | 46.85 | 3.02  | 11.80 |                  |
| 7:00  | 10.13 | 11.93 | 13.67 | 21.71 | 32.24  | 0.40   | 0.93   | 1.77        | 0.21  | 31.30 | 27.41 | 58.71 | 6.50  | 12.12 |                  |
| 8:00  | 11.36 | 13.81 | 16.06 | 27.54 | 44.88  | 0.45   | 1.19   | 1.85        | 0.22  | 35.83 | 30.83 | 66.67 | 12.97 | 11.87 |                  |
| 9:00  | 15.43 | 19.41 | 22.89 | 43.94 | 77.96  | 0.59   | 1.56   | 2.02        | 0.26  | 26.40 | 37.91 | 64.31 | 25.86 | 12.07 |                  |
| 10:00 | 12.83 | 15.48 | 17.85 | 31.27 | 54.74  | 0.45   | 1.34   | 2.24        | 0.22  | 14.86 | 25.80 | 40.66 | 51.53 | 11.94 |                  |
| 11:00 | 10.06 | 11.44 | 12.83 | 18.20 | 28.83  | 0.27   | 0.61   | 2.06        | 0.18  | 2.45  | 8.35  | 10.75 | 70.49 | 11.66 |                  |
| 12:00 | 8.82  | 10.13 | 11.45 | 16.12 | 22.97  | 0.28   | 0.54   | 2.02        | 0.18  | 2.50  | 7.08  | 9.55  | 73.15 | 11.22 |                  |
| 13:00 | 8.72  | 10.05 | 11.24 | 17.04 | 26.58  | 0.26   | 0.48   | 2.00        | 0.17  | 2.95  | 7.52  | 10.42 | 74.76 | 10.94 |                  |
| 14:00 | 7.64  | 8.87  | 10.02 | 15.42 | 25.52  | 0.27   | 0.62   | 2.02        | 0.17  | 3.06  | 7.70  | 10.75 | 76.48 | 10.75 |                  |
| 15:00 | 7.33  | 8.46  | 9.58  | 13.75 | 20.37  | 0.28   | 0.56   | 1.97        | 0.18  | 4.11  | 10.91 | 14.98 | 78.89 | 10.93 |                  |
| 16:00 | 6.66  | 7.87  | 8.95  | 14.57 | 22.83  | 0.28   | 0.72   | 2.09        | 0.18  | 2.26  | 8.63  | 10.81 | 84.41 | 10.97 |                  |
| 17:00 | 5.64  | 6.91  | 8.05  | 13.62 | 21.48  | 0.28   | 0.64   | 2.10        | 0.17  | 3.14  | 10.30 | 13.37 | 82.28 | 10.82 |                  |
| 18:00 | 4.90  | 5.98  | 6.93  | 12.15 | 20.54  | 0.31   | 0.78   | 2.11        | 0.18  | 1.90  | 7.90  | 9.69  | 81.85 | 11.07 |                  |
| 19:00 | 5.39  | 6.83  | 8.18  | 15.23 | 25.47  | 0.36   | 0.71   | 2.07        | 0.19  | 5.08  | 14.22 | 19.14 | 76.07 | 10.74 |                  |
| 20:00 | 12.53 | 17.19 | 20.94 | 47.23 | 81.44  | 1.01   | 2.84   | 3.24        | 0.24  | 2.90  | 20.19 | 22.99 | 62.16 | 11.15 |                  |
| 21:00 | 13.47 | 19.68 | 25.35 | 59.68 | 107.29 | 1.46   | 5.86   | 3.68        | 0.31  | 9.13  | 32.58 | 41.69 | 43.53 | 11.20 |                  |
| 22:00 | 9.55  | 14.29 | 18.32 | 46.48 | 83.38  | 0.55   | 1.31   | 2.24        | 0.22  | 2.01  | 36.33 | 38.16 | 34.78 | 11.59 |                  |
| 23:00 | 9.06  | 12.30 | 15.33 | 31.52 | 54.85  | 0.49   | 1.46   | 2.06        | 0.21  | 2.50  | 50.57 | 53.00 | 12.93 | 11.83 |                  |
| 24:00 | 9.22  | 11.91 | 14.61 | 27.06 | 44.24  | 0.46   | 1.29   | 2.11        | 0.20  | 2.71  | 42.29 | 44.92 | 15.96 | 11.66 |                  |
| Min   | 4.90  | 5.98  | 6.93  | 12.15 | 20.37  | 0.26   | 0.48   | 1.62        | 0.17  | 1.90  | 7.08  | 9.55  | 2.03  | 10.74 |                  |
| Max   | 15.43 | 19.68 | 25.35 | 59.68 | 107.29 | 1.46   | 5.86   | 3.68        | 0.31  | 35.83 | 50.57 | 66.67 | 84.41 | 12.12 |                  |
| Medie | 9.34  | 11.57 | 13.64 | 24.52 | 40.09  | 0.43   | 1.20   | 2.09        | 0.20  | 9.25  | 24.63 | 33.82 | 41.74 | 11.42 |                  |

**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 |

|                       |   |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

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

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