

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

## 09 SEPTEMBRIE 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<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  | 8.84  | 11.55 | 14.05 | 26.25 | 41.88  | 0.55   | 0.92   | n/a         | 0.20  | 2.77  | 34.90 | 37.64 | 11.47 | 29.19 | 0.005            |
| 2:00  | 8.92  | 11.50 | 13.85 | 24.26 | 36.59  | 0.59   | 0.80   | n/a         | 0.19  | 8.88  | 40.39 | 49.27 | 6.05  | 29.05 |                  |
| 3:00  | 8.26  | 10.65 | 13.04 | 22.72 | 34.01  | 0.39   | 0.74   | n/a         | 0.18  | 6.22  | 34.51 | 40.73 | 7.89  | 28.65 |                  |
| 4:00  | 8.20  | 10.18 | 12.08 | 19.98 | 31.11  | 0.35   | 0.71   | 0.86        | 0.18  | 12.52 | 34.37 | 46.89 | 5.77  | 28.48 |                  |
| 5:00  | 8.16  | 10.13 | 11.99 | 19.89 | 28.06  | 0.41   | 0.68   | n/a         | 0.18  | 14.02 | 33.30 | 47.32 | 5.06  | 28.43 |                  |
| 6:00  | 8.05  | 10.24 | 12.30 | 22.14 | 33.94  | 0.40   | 0.71   | n/a         | 0.18  | 42.71 | 35.89 | 78.60 | 0.91  | 28.96 |                  |
| 7:00  | 9.98  | 12.50 | 15.06 | 25.23 | 37.90  | 0.84   | 1.05   | n/a         | 0.21  | 29.33 | 32.92 | 62.25 | 4.67  | 28.74 |                  |
| 8:00  | 14.35 | 17.75 | 20.80 | 35.45 | 55.41  | 0.59   | 0.93   | n/a         | 0.25  | 44.08 | 34.16 | 78.25 | 8.73  | 28.96 |                  |
| 9:00  | 12.72 | 16.23 | 19.33 | 36.76 | 60.38  | 0.61   | 1.31   | n/a         | 0.23  | 21.66 | 32.28 | 53.95 | 21.90 | 29.22 |                  |
| 10:00 | 9.81  | 13.74 | 17.13 | 37.66 | 67.19  | 0.55   | 2.06   | n/a         | 0.24  | 20.72 | 25.64 | 46.35 | 39.55 | 29.90 |                  |
| 11:00 | 8.08  | 11.31 | 14.05 | 31.69 | 61.43  | 0.38   | 1.09   | n/a         | 0.23  | 14.03 | 21.68 | 35.71 | 54.16 | 29.64 |                  |
| 12:00 | 6.79  | 10.18 | 12.89 | 33.59 | 69.45  | 0.52   | 1.65   | n/a         | 0.21  | 12.25 | 18.84 | 31.07 | 63.66 | 30.52 |                  |
| 13:00 | 5.71  | 7.98  | 9.93  | 22.00 | 39.02  | 0.34   | 1.62   | n/a         | 0.19  | 6.62  | 10.07 | 16.68 | 72.56 | 29.76 |                  |
| 14:00 | 4.71  | 6.83  | 8.79  | 18.93 | 34.06  | 0.24   | n/a    | n/a         | 0.17  | 7.46  | 13.48 | 20.94 | 72.11 | 29.54 |                  |
| 15:00 | 3.91  | 5.52  | 7.00  | 14.50 | 26.50  | 0.23   | 0.91   | 0.96        | 0.17  | 8.35  | 14.10 | 22.43 | 72.42 | 29.80 |                  |
| 16:00 | 3.42  | 4.96  | 6.45  | 13.02 | 22.14  | 0.30   | 0.77   | n/a         | 0.17  | 8.22  | 13.74 | 21.94 | 71.06 | 29.52 |                  |
| 17:00 | 3.20  | 4.85  | 6.42  | 13.17 | 23.45  | 0.22   | 0.59   | n/a         | 0.16  | 8.97  | 15.05 | 23.97 | 69.55 | 29.19 |                  |
| 18:00 | 2.74  | 4.75  | 6.78  | 14.82 | 28.69  | 0.18   | 0.46   | n/a         | 0.15  | 6.84  | 10.02 | 16.75 | 69.96 | 29.26 |                  |
| 19:00 | 3.01  | 5.49  | 7.83  | 20.04 | 38.98  | 0.18   | 0.49   | n/a         | 0.15  | 4.91  | 21.33 | 26.23 | 57.84 | 29.44 |                  |
| 20:00 | 10.46 | 17.89 | 24.69 | 64.34 | 122.27 | 1.39   | 3.01   | n/a         | 0.26  | 7.73  | 37.53 | 45.26 | 35.07 | 29.73 |                  |
| 21:00 | 9.66  | 14.88 | 19.60 | 46.12 | 83.62  | 0.91   | 3.44   | n/a         | 0.24  | 9.87  | 40.52 | 50.40 | 31.49 | 29.99 |                  |
| 22:00 | 20.39 | 28.19 | 34.93 | 68.74 | 116.03 | 1.77   | 3.75   | n/a         | 0.26  | 7.17  | 35.57 | 42.73 | 25.08 | 30.08 |                  |
| 23:00 | 26.16 | 34.20 | 41.70 | 74.07 | 114.11 | 2.09   | 5.34   | n/a         | 0.28  | 3.94  | 38.32 | 42.25 | 13.32 | 30.28 |                  |
| 24:00 | 9.15  | 13.61 | 17.98 | 38.01 | 61.08  | 0.50   | 1.55   | n/a         | 0.19  | 6.49  | 49.13 | 55.62 | 7.01  | 29.75 |                  |
| Min   | 2.74  | 4.75  | 6.42  | 13.02 | 22.14  | 0.18   | 0.46   | 0.86        | 0.15  | 2.77  | 10.02 | 16.68 | 0.91  | 28.43 |                  |
| Max   | 26.16 | 34.20 | 41.70 | 74.07 | 122.27 | 2.09   | 5.34   | 0.96        | 0.28  | 44.08 | 49.13 | 78.60 | 72.56 | 30.52 |                  |
| Medie | 8.95  | 12.30 | 15.36 | 30.97 | 52.80  | 0.61   | 1.50   | 0.91        | 0.20  | 13.16 | 28.24 | 41.38 | 34.47 | 29.42 |                  |

**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  |