

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

## 14 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  | 4.10  | 5.02  | 6.17  | 8.47  | 10.95 | 0.63   | 0.77   | n/a         | 0.17  | 1.39  | 8.14  | 9.54  | 16.24 | 33.49 | 0.005            |
| 2:00  | 4.13  | 5.27  | 6.63  | 9.66  | 13.16 | 0.46   | 0.78   | n/a         | 0.17  | 2.49  | 7.59  | 10.09 | 15.07 | 33.58 |                  |
| 3:00  | 5.53  | 6.88  | 8.42  | 11.31 | 14.42 | 0.78   | 1.11   | 1.16        | 0.17  | 3.17  | 16.65 | 19.82 | 5.91  | 33.76 |                  |
| 4:00  | 7.12  | 9.06  | 10.86 | 14.02 | 18.57 | 0.74   | 1.17   | n/a         | 0.18  | 4.46  | 12.29 | 16.75 | 8.10  | 33.59 |                  |
| 5:00  | 4.60  | 6.40  | 8.65  | 13.61 | 21.82 | 0.36   | 0.77   | n/a         | 0.17  | 17.84 | 18.88 | 36.72 | 4.04  | 33.65 |                  |
| 6:00  | 4.20  | 5.70  | 7.56  | 12.95 | 20.26 | 0.73   | 0.69   | 0.89        | 0.20  | 24.70 | 22.68 | 47.37 | 4.50  | 33.37 |                  |
| 7:00  | 4.49  | 6.81  | 9.57  | 18.38 | 30.68 | 0.75   | 1.55   | 1.07        | 0.27  | 62.58 | 28.32 | 90.90 | 3.35  | 33.87 |                  |
| 8:00  | 6.24  | 8.76  | 11.67 | 21.06 | 33.76 | 0.71   | 1.69   | 1.06        | 0.23  | 35.12 | 23.24 | 58.35 | 10.52 | 33.73 |                  |
| 9:00  | 3.21  | 4.50  | 6.04  | 10.82 | 17.72 | 0.39   | 0.90   | n/a         | 0.20  | 16.39 | 12.89 | 29.28 | 25.10 | 33.32 |                  |
| 10:00 | 3.61  | 4.89  | 6.33  | 11.26 | 19.47 | 0.40   | n/a    | n/a         | 0.19  | 15.80 | 14.18 | 29.98 | 32.58 | 33.69 |                  |
| 11:00 | 2.97  | 3.89  | 4.79  | 9.10  | 16.19 | 0.37   | 0.71   | n/a         | 0.18  | 12.55 | 11.01 | 23.55 | 40.58 | 33.86 |                  |
| 12:00 | 2.76  | 3.54  | 4.23  | 7.95  | 13.98 | 0.29   | 0.48   | 0.91        | 0.17  | 8.84  | 9.80  | 18.63 | 46.50 | 33.49 |                  |
| 13:00 | 2.57  | 3.80  | 5.08  | 9.99  | 17.36 | 0.27   | 0.66   | n/a         | 0.16  | 6.29  | 7.86  | 14.15 | 51.43 | 33.40 |                  |
| 14:00 | 2.16  | 3.37  | 4.45  | 10.52 | 20.66 | 0.30   | 0.59   | n/a         | 0.16  | 6.67  | 8.98  | 15.63 | 54.97 | 33.36 |                  |
| 15:00 | 1.92  | 2.64  | 3.32  | 6.78  | 12.08 | 0.42   | 1.35   | n/a         | 0.17  | 10.96 | 13.97 | 24.92 | 54.87 | 33.82 |                  |
| 16:00 | 1.99  | 2.45  | 2.82  | 4.92  | 8.71  | 0.20   | 0.35   | n/a         | 0.16  | 3.48  | 9.76  | 13.24 | 58.70 | 33.41 |                  |
| 17:00 | 2.29  | 3.24  | 4.07  | 8.97  | 18.06 | 0.26   | 0.51   | n/a         | 0.19  | 10.35 | 20.72 | 31.07 | 48.53 | 33.60 |                  |
| 18:00 | 1.85  | 2.62  | 3.27  | 7.50  | 15.33 | 0.34   | 1.00   | n/a         | 0.17  | 3.26  | 16.62 | 19.89 | 43.88 | 33.86 |                  |
| 19:00 | 1.60  | 2.36  | 3.08  | 6.86  | 12.16 | 0.24   | 0.46   | n/a         | 0.17  | 2.03  | 26.17 | 28.17 | 31.99 | 33.71 |                  |
| 20:00 | 6.28  | 7.93  | 9.36  | 17.23 | 28.59 | 0.33   | 0.62   | n/a         | 0.23  | 6.76  | 42.03 | 48.79 | 14.31 | 33.99 |                  |
| 21:00 | 21.43 | 25.21 | 28.14 | 42.62 | 67.16 | 1.56   | 1.93   | n/a         | 0.33  | 13.05 | 33.26 | 46.31 | 15.25 | 34.21 |                  |
| 22:00 | 21.45 | 24.16 | 26.58 | 35.81 | 48.58 | 1.27   | 1.66   | n/a         | 0.27  | 9.05  | 29.17 | 38.22 | 17.62 | 33.88 |                  |
| 23:00 | 4.71  | 6.56  | 8.26  | 17.19 | 32.54 | 0.48   | 1.32   | n/a         | 0.23  | 6.76  | 26.88 | 33.64 | 20.05 | 33.99 |                  |
| 24:00 | 5.21  | 6.87  | 8.46  | 14.34 | 23.20 | 0.42   | 1.24   | n/a         | 0.18  | 3.80  | 23.92 | 27.72 | 15.18 | 33.77 |                  |
| Min   | 1.60  | 2.36  | 2.82  | 4.92  | 8.71  | 0.20   | 0.35   | 0.89        | 0.16  | 1.39  | 7.59  | 9.54  | 3.35  | 33.32 |                  |
| Max   | 21.45 | 25.21 | 28.14 | 42.62 | 67.16 | 1.56   | 1.93   | 1.16        | 0.33  | 62.58 | 42.03 | 90.90 | 58.70 | 34.21 |                  |
| Medie | 5.27  | 6.75  | 8.24  | 13.80 | 22.31 | 0.53   | 0.97   | 1.02        | 0.20  | 11.99 | 18.54 | 30.53 | 26.64 | 33.68 |                  |

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

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

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