

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

23 NOIEMBRIE 2023



## DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE -Kogalniceanu, nr.114

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  | 44.60 | 46.74 | 48.18 | 51.03 | 54.38 | 5.06   | 3.49   | 1.38        | 1.15  | 18.84 | 33.59 | 52.42  | 13.61 | 4.80  | 0.003            |
| 2:00  | 41.36 | 43.48 | 44.65 | 48.10 | 52.40 | 3.54   | 3.27   | 1.29        | 1.18  | 50.42 | 32.51 | 82.93  | 12.07 | 4.96  |                  |
| 3:00  | 32.19 | 33.80 | 35.04 | 37.22 | 39.00 | 3.20   | 2.83   | 1.30        | 0.79  | 6.58  | 20.09 | 26.68  | 13.59 | 4.54  |                  |
| 4:00  | 36.66 | 38.49 | 39.67 | 42.34 | 45.73 | 4.67   | 3.20   | 1.23        | 1.66  | 23.83 | 21.60 | 45.43  | 13.41 | 4.64  |                  |
| 5:00  | 30.20 | 31.98 | 33.17 | 36.40 | 39.83 | 3.09   | 2.73   | 1.24        | 0.90  | 36.44 | 27.56 | 63.99  | 12.07 | 4.73  |                  |
| 6:00  | 22.34 | 23.87 | 24.93 | 28.47 | 34.05 | 2.54   | 2.29   | 1.10        | 0.51  | 17.70 | 27.26 | 44.96  | 13.41 | 4.48  |                  |
| 7:00  | 21.12 | 22.38 | 23.34 | 26.32 | 29.74 | 1.92   | 1.93   | 1.00        | 0.49  | 13.41 | 27.21 | 40.62  | 13.27 | 4.51  |                  |
| 8:00  | 26.33 | 28.35 | 29.83 | 34.04 | 40.32 | 2.87   | 2.57   | 1.08        | 0.76  | 20.96 | 27.81 | 48.77  | 14.76 | 4.45  |                  |
| 9:00  | 31.60 | 34.53 | 36.85 | 45.54 | 57.90 | 5.66   | 3.28   | 1.11        | 1.45  | 68.29 | 32.84 | 101.12 | 14.97 | 5.02  |                  |
| 10:00 | 19.45 | 21.35 | 22.86 | 29.49 | 38.55 | 4.89   | n/a    | n/a         | 0.72  | 30.12 | 22.66 | 52.79  | 22.86 | 4.65  |                  |
| 11:00 | 11.75 | 12.90 | 13.88 | 17.12 | 21.43 | 1.73   | 3.96   | 1.34        | 0.59  | 3.87  | 10.71 | 14.57  | 32.19 | 4.49  |                  |
| 12:00 | 10.28 | 11.22 | 12.01 | 14.64 | 18.64 | 1.51   | 3.34   | 1.31        | 0.40  | 2.65  | 8.63  | 11.28  | 35.74 | 4.77  |                  |
| 13:00 | 10.07 | 10.93 | 11.55 | 14.69 | 19.71 | 1.42   | 2.24   | 1.14        | 0.39  | 2.64  | 7.25  | 9.87   | 37.00 | 4.67  |                  |
| 14:00 | 10.33 | 11.26 | 12.08 | 14.31 | 18.25 | 1.36   | 3.35   | 1.26        | 0.39  | 2.81  | 7.38  | 10.18  | 37.77 | 4.66  |                  |
| 15:00 | 9.32  | 10.06 | 10.74 | 12.45 | 14.75 | 1.35   | 2.30   | 1.14        | 0.38  | 1.68  | 7.40  | 9.07   | 36.80 | 4.77  |                  |
| 16:00 | 8.58  | 9.24  | 9.80  | 11.71 | 14.74 | 1.19   | 2.03   | 1.10        | 0.37  | 1.20  | 8.11  | 9.32   | 39.68 | 4.91  |                  |
| 17:00 | 10.18 | 10.84 | 11.45 | 13.52 | 17.47 | 1.16   | 1.40   | 0.95        | 0.38  | 1.37  | 10.38 | 11.74  | 38.70 | 4.71  |                  |
| 18:00 | 10.81 | 11.51 | 12.16 | 13.99 | 16.09 | 1.44   | 1.30   | 0.91        | 0.61  | 1.64  | 12.76 | 14.39  | 36.99 | 4.76  |                  |
| 19:00 | 11.61 | 12.29 | 12.82 | 15.21 | 19.20 | 1.77   | 1.28   | 0.83        | 0.74  | 1.97  | 12.48 | 14.44  | 35.77 | 4.60  |                  |
| 20:00 | 14.33 | 15.17 | 15.78 | 17.52 | 19.47 | 1.72   | 1.22   | 0.78        | 0.78  | 1.88  | 13.43 | 15.32  | 32.99 | 4.43  |                  |
| 21:00 | 12.85 | 13.54 | 14.18 | 15.26 | 17.25 | 1.54   | 1.08   | 0.72        | 0.59  | 1.71  | 13.23 | 14.94  | 34.33 | 4.37  |                  |
| 22:00 | 14.51 | 15.31 | 15.95 | 17.92 | 21.17 | 1.47   | 1.07   | 0.69        | 0.63  | 1.33  | 12.09 | 13.42  | 34.73 | 4.24  |                  |
| 23:00 | 14.71 | 15.53 | 16.20 | 17.70 | 19.65 | 1.39   | 1.12   | 0.64        | 0.64  | 1.07  | 13.45 | 14.52  | 33.81 | 4.12  |                  |
| 24:00 | 14.57 | 15.30 | 15.87 | 17.41 | 19.62 | 1.60   | 1.07   | 0.58        | 0.72  | 1.15  | 11.79 | 12.95  | 35.35 | 4.42  |                  |
| Min   | 8.58  | 9.24  | 9.80  | 11.71 | 14.74 | 1.16   | 1.07   | 0.58        | 0.37  | 1.07  | 7.25  | 9.07   | 12.07 | 4.12  |                  |
| Max   | 44.60 | 46.74 | 48.18 | 51.03 | 57.90 | 5.66   | 3.96   | 1.38        | 1.66  | 68.29 | 33.59 | 101.12 | 39.68 | 5.02  |                  |
| Medie | 19.57 | 20.84 | 21.79 | 24.68 | 28.72 | 2.42   | 2.28   | 1.05        | 0.72  | 13.07 | 17.59 | 30.66  | 26.91 | 4.61  |                  |

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

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

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

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

\*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  |