

# RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

## 17 AUGUST 2022



### 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   | Formaldehidă |
|-------|-------|-------|-------|-------|-------|--------|--------|-------------|-------|-------|-------|-------|--------|-------|--------------|
| 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  | 9.61  | 11.41 | 13.46 | 19.24 | 27.62 | 0.29   | 0.97   | 4.91        | 0.20  | 4.56  | 15.42 | 22.38 | 92.36  | 4.21  | 0.006        |
| 2:00  | 9.92  | 12.37 | 15.08 | 23.31 | 36.48 | 0.24   | 1.02   | 4.83        | 0.17  | 4.57  | 19.90 | 26.89 | 77.94  | 4.23  |              |
| 3:00  | 8.76  | 10.46 | 12.40 | 17.50 | 23.69 | 0.24   | 0.81   | 4.62        | 0.17  | 4.79  | 32.13 | 39.46 | 53.28  | 4.21  |              |
| 4:00  | 11.09 | 13.26 | 15.51 | 19.73 | 25.96 | 0.41   | 1.09   | 4.84        | 0.18  | 4.95  | 25.34 | 32.88 | 40.95  | 4.25  |              |
| 5:00  | 11.29 | 13.29 | 15.34 | 19.20 | 25.05 | 0.33   | 1.48   | 5.46        | 0.17  | 5.90  | 30.22 | 39.23 | 27.12  | 4.17  |              |
| 6:00  | 12.79 | 14.82 | 16.91 | 21.35 | 29.17 | 0.93   | 1.64   | 5.06        | 0.18  | 7.87  | 40.95 | 52.97 | 14.42  | 4.27  |              |
| 7:00  | 10.56 | 12.48 | 14.81 | 19.86 | 26.57 | 0.36   | 1.76   | 5.46        | 0.18  | 14.69 | 51.73 | 74.18 | 10.88  | 4.44  |              |
| 8:00  | 11.41 | 13.70 | 16.29 | 23.56 | 35.03 | 0.64   | 3.09   | 6.03        | 0.21  | 20.44 | 54.65 | 85.88 | 18.43  | 4.46  |              |
| 9:00  | 11.69 | 14.42 | 17.43 | 27.37 | 43.12 | 0.43   | 2.47   | 5.74        | 0.20  | 24.38 | 52.34 | 89.59 | 20.17  | 4.40  |              |
| 10:00 | 10.57 | 13.04 | 15.87 | 24.43 | 38.49 | 0.26   | 5.55   | 7.40        | 0.18  | 9.22  | 22.62 | 36.70 | 80.89  | 4.34  |              |
| 11:00 | 8.06  | 9.88  | 11.83 | 19.13 | 30.85 | 0.19   | 1.59   | 6.11        | 0.14  | 4.66  | 9.91  | 17.03 | 123.66 | 4.27  |              |
| 12:00 | 8.73  | 11.08 | 13.39 | 23.92 | 42.67 | 0.27   | 1.24   | 6.65        | 0.15  | 5.72  | 15.46 | 24.20 | 132.05 | 4.38  |              |
| 13:00 | 7.34  | 9.27  | 11.19 | 19.53 | 32.24 | 0.19   | 1.26   | 6.10        | 0.14  | 4.56  | 8.99  | 15.98 | 163.90 | 4.25  |              |
| 14:00 | 8.46  | 10.69 | 12.90 | 22.40 | 35.86 | 0.23   | 0.71   | 5.79        | 0.17  | 5.19  | 14.93 | 22.85 | 163.34 | 4.25  |              |
| 15:00 | 8.23  | 10.29 | 12.56 | 20.32 | 31.89 | 0.31   | 4.04   | 7.22        | 0.18  | 4.56  | 12.12 | 19.08 | 173.81 | 4.29  |              |
| 16:00 | 8.92  | 11.55 | 14.23 | 25.69 | 46.45 | 0.49   | 4.72   | 7.25        | 0.25  | 4.74  | 19.52 | 26.75 | 161.79 | 4.31  |              |
| 17:00 | 8.88  | 11.33 | 14.19 | 20.82 | 30.05 | 0.31   | 2.71   | 5.91        | 0.17  | 4.65  | 13.75 | 20.84 | 158.51 | 4.20  |              |
| 18:00 | 8.76  | 11.48 | 14.50 | 21.71 | 31.35 | 0.42   | 6.83   | 6.73        | 0.19  | 5.56  | 18.16 | 26.65 | 181.52 | 4.16  |              |
| 19:00 | 7.86  | 9.80  | 12.04 | 16.34 | 21.67 | 0.30   | 1.80   | 6.18        | 0.16  | 4.98  | 12.77 | 20.39 | 187.62 | 4.12  |              |
| 20:00 | 8.41  | 10.07 | 12.14 | 15.94 | 21.28 | 0.42   | 0.89   | 5.46        | 0.17  | 4.58  | 15.52 | 22.52 | 160.00 | 4.13  |              |
| 21:00 | 11.21 | 13.74 | 16.30 | 25.70 | 42.09 | 0.56   | 2.44   | 5.55        | 0.44  | 5.66  | 53.79 | 62.44 | 126.73 | 4.11  |              |
| 22:00 | 10.04 | 12.42 | 14.98 | 23.03 | 34.86 | 0.24   | 1.37   | 5.27        | 0.16  | 4.54  | 10.20 | 17.14 | 141.61 | 4.12  |              |
| 23:00 | 11.32 | 13.99 | 17.07 | 23.56 | 33.44 | 0.35   | 1.21   | 5.08        | 0.19  | 4.50  | 13.67 | 20.55 | 120.95 | 4.19  |              |
| 24:00 | 10.47 | 12.61 | 15.03 | 19.47 | 25.71 | 0.34   | 4.43   | 5.83        | 0.25  | 4.53  | 21.57 | 28.49 | 100.00 | 4.18  |              |
| Min   | 7.34  | 9.27  | 11.19 | 15.94 | 21.28 | 0.19   | 0.71   | 4.62        | 0.14  | 4.50  | 8.99  | 15.98 | 10.88  | 4.11  |              |
| Max   | 12.79 | 14.82 | 17.43 | 27.37 | 46.45 | 0.93   | 6.83   | 7.40        | 0.44  | 24.38 | 54.65 | 89.59 | 187.62 | 4.46  |              |
| Medie | 9.77  | 11.98 | 14.39 | 21.38 | 32.15 | 0.36   | 2.30   | 5.81        | 0.19  | 7.08  | 24.40 | 35.21 | 105.50 | 4.25  |              |

**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)                      | 4 |
| Particule in suspensie (PM10)  | 2 |

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

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

\*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  |