

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES**  
**14 MAI 2021**



**DATE CALITATE AER MUNICIPIUL SEBES -**

**SISTEM PROPRIU DE MASURARE - Kogalniceanu, nr. 114 A**

**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  | 1.60  | 2.34  | 3.09  | 6.05  | 9.22  | n/a     | n/a     | n/a         | 0.57  | 1.50  | 2.34  | 4.64  | 65.42 | 15.25 | 0.001            |
| 2:00  | 2.01  | 2.86  | 3.79  | 6.77  | 10.01 | n/a     | n/a     | n/a         | 0.54  | 1.93  | 5.68  | 8.63  | 54.18 | 15.53 |                  |
| 3:00  | 1.58  | 2.57  | 3.82  | 7.14  | 9.65  | n/a     | n/a     | n/a         | 0.54  | 1.54  | 1.96  | 4.31  | 53.86 | 15.51 |                  |
| 4:00  | 2.28  | 3.40  | 4.89  | 8.16  | 10.86 | n/a     | n/a     | n/a         | 0.58  | 1.45  | 3.12  | 5.31  | 47.77 | 14.84 |                  |
| 5:00  | 2.50  | 3.79  | 5.47  | 9.55  | 13.92 | n/a     | n/a     | n/a         | 0.57  | 1.55  | 3.15  | 5.52  | 47.19 | 14.94 |                  |
| 6:00  | 2.72  | 3.42  | 4.33  | 5.86  | 7.60  | n/a     | n/a     | n/a         | 0.57  | 1.87  | 5.16  | 8.01  | 57.99 | 15.25 |                  |
| 7:00  | 3.03  | 4.00  | 5.06  | 8.67  | 13.00 | n/a     | n/a     | n/a         | 0.55  | 2.15  | 7.67  | 10.95 | 47.55 | 15.15 |                  |
| 8:00  | 3.37  | 4.57  | 6.01  | 9.51  | 13.47 | n/a     | n/a     | n/a         | 0.54  | 2.34  | 6.43  | 10.00 | 48.37 | 15.75 |                  |
| 9:00  | 4.71  | 9.32  | 14.30 | 33.55 | 61.32 | n/a     | n/a     | n/a         | 0.55  | 2.62  | 5.34  | 9.35  | 49.59 | 16.22 |                  |
| 10:00 | 3.75  | 5.60  | 7.55  | 15.01 | 26.27 | n/a     | n/a     | n/a         | 0.60  | 2.06  | 4.00  | 7.14  | 52.52 | 14.97 |                  |
| 11:00 | 3.65  | 6.02  | 8.75  | 17.24 | 28.43 | n/a     | n/a     | n/a         | 0.60  | 2.59  | 7.62  | 11.57 | 47.49 | 14.87 |                  |
| 12:00 | 2.39  | 4.28  | 6.33  | 13.37 | 21.70 | n/a     | n/a     | n/a         | 0.57  | 2.45  | 5.47  | 9.21  | 51.52 | 15.47 |                  |
| 13:00 | 1.48  | 2.33  | 3.15  | 6.70  | 11.23 | n/a     | n/a     | n/a         | 0.55  | 2.21  | 4.03  | 7.41  | 52.63 | 15.42 |                  |
| 14:00 | 2.05  | 2.69  | 3.37  | 6.03  | 9.92  | n/a     | n/a     | n/a         | 0.61  | 2.28  | 3.22  | 6.70  | 57.12 | 14.81 |                  |
| 15:00 | 2.73  | 3.42  | 4.17  | 7.02  | 11.06 | n/a     | n/a     | n/a         | 0.64  | 2.36  | 3.44  | 7.05  | 60.89 | 14.86 |                  |
| 16:00 | 2.92  | 3.50  | 4.13  | 6.53  | 10.55 | n/a     | n/a     | n/a         | 0.64  | 2.05  | 3.38  | 6.51  | 65.51 | 15.37 |                  |
| 17:00 | 4.97  | 6.31  | 7.36  | 14.49 | 27.17 | n/a     | n/a     | n/a         | 0.65  | 4.75  | 15.15 | 22.41 | 52.45 | 19.16 |                  |
| 18:00 | 3.45  | 4.90  | 6.33  | 11.64 | 18.63 | n/a     | n/a     | n/a         | 0.65  | 2.63  | 10.62 | 14.64 | 51.94 | 15.12 |                  |
| 19:00 | 1.79  | 2.36  | 3.04  | 4.77  | 6.54  | n/a     | n/a     | n/a         | 0.58  | 2.07  | 5.47  | 8.64  | 59.05 | 14.86 |                  |
| 20:00 | 1.75  | 2.52  | 3.40  | 6.04  | 7.99  | n/a     | n/a     | n/a         | 0.60  | 1.91  | 5.03  | 7.94  | 59.96 | 14.46 |                  |
| 21:00 | 2.56  | 3.44  | 4.46  | 7.49  | 11.00 | n/a     | n/a     | n/a         | 0.59  | 1.77  | 6.18  | 8.88  | 53.57 | 14.75 |                  |
| 22:00 | 3.20  | 4.07  | 5.07  | 7.71  | 11.11 | n/a     | n/a     | n/a         | 0.55  | 1.76  | 9.26  | 11.93 | 47.05 | 15.32 |                  |
| 23:00 | 3.61  | 4.58  | 5.71  | 8.64  | 12.07 | n/a     | n/a     | n/a         | 0.55  | 1.77  | 9.40  | 12.11 | 50.30 | 15.59 |                  |
| 24:00 | 4.05  | 4.86  | 5.78  | 8.15  | 10.83 | n/a     | n/a     | n/a         | 0.57  | 1.62  | 4.96  | 7.42  | 57.03 | 15.52 |                  |
| Min   | 1.48  | 2.33  | 3.04  | 4.77  | 6.54  | 0.00    | 0.00    | 0.00        | 0.54  | 1.45  | 1.96  | 4.31  | 47.05 | 14.46 |                  |
| Max   | 4.97  | 9.32  | 14.30 | 33.55 | 61.32 | 0.00    | 0.00    | 0.00        | 0.65  | 4.75  | 15.15 | 22.41 | 65.51 | 19.16 |                  |
| Medie | 2.84  | 4.05  | 5.39  | 9.84  | 15.56 | #DIV/0! | #DIV/0! | #DIV/0!     | 0.58  | 2.13  | 5.75  | 9.01  | 53.79 | 15.37 |                  |

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

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

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

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

\*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 : Benzen,Toluen,Etil-benzen- lipsa gaz purtător