

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
30 IULIE 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 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 | 13.04 | 17.78 | 22.81 | 38.64 | 60.54 | 0.53 | n/a | n/a | 0.30 | 8.69 | 41.47 | 54.75 | 25.67 | 9.84 | 0.006 |
| 2:00 | 11.66 | 15.70 | 20.18 | 30.93 | 45.85 | 0.28 | 3.66 | 9.63 | 0.28 | 6.87 | 49.07 | 59.57 | 19.25 | 9.62 | |
| 3:00 | 10.66 | 14.30 | 18.34 | 27.92 | 40.82 | 0.20 | 3.98 | 9.49 | 0.29 | 5.08 | 35.26 | 43.01 | 20.78 | 9.59 | |
| 4:00 | 11.16 | 14.70 | 18.65 | 27.59 | 38.55 | 0.22 | 3.40 | 9.11 | 0.27 | 23.71 | 53.46 | 89.68 | 4.09 | 9.77 | |
| 5:00 | 10.93 | 14.38 | 18.36 | 25.55 | 34.02 | 0.26 | 2.60 | 9.14 | 0.26 | 28.76 | 49.45 | 93.37 | 3.71 | 9.79 | |
| 6:00 | 11.66 | 15.02 | 19.02 | 25.91 | 33.85 | 0.19 | 2.63 | 9.50 | 0.26 | 14.01 | 45.96 | 67.36 | 4.74 | 9.83 | |
| 7:00 | 12.50 | 16.25 | 20.57 | 29.33 | 41.85 | 0.33 | 2.91 | 10.05 | 0.28 | 29.25 | 40.86 | 85.55 | 4.37 | 9.83 | |
| 8:00 | 13.28 | 17.29 | 21.97 | 31.51 | 43.66 | 0.27 | 2.56 | 9.77 | 0.30 | 28.84 | 36.07 | 80.14 | 9.09 | 9.69 | |
| 9:00 | 18.85 | 24.41 | 30.07 | 43.48 | 62.37 | 0.28 | 3.91 | 10.85 | 0.31 | 16.37 | 39.25 | 64.26 | 19.84 | 9.81 | |
| 10:00 | 33.66 | 42.90 | 51.21 | 72.72 | 106.68 | 0.40 | 6.30 | 11.42 | 0.35 | 13.74 | 55.75 | 76.75 | 36.25 | 10.24 | |
| 11:00 | 29.84 | 37.81 | 45.54 | 66.89 | 101.32 | 0.18 | 2.57 | 10.84 | 0.29 | 7.12 | 44.97 | 55.85 | 63.98 | 11.21 | |
| 12:00 | 12.87 | 17.66 | 22.63 | 38.94 | 62.90 | 0.21 | 2.03 | 10.86 | 0.26 | 5.71 | 24.49 | 33.21 | 73.84 | 10.55 | |
| 13:00 | 9.38 | 13.13 | 17.19 | 30.09 | 49.04 | 0.19 | 1.85 | 10.58 | 0.26 | 3.69 | 12.59 | 18.24 | 85.26 | 10.23 | |
| 14:00 | 6.17 | 8.34 | 10.77 | 17.94 | 28.53 | 0.36 | 1.95 | 9.93 | 0.25 | 3.48 | 9.83 | 15.14 | 90.83 | 9.87 | |
| 15:00 | 6.61 | 9.16 | 12.04 | 20.16 | 32.75 | 0.17 | 1.97 | 10.58 | 0.25 | 3.54 | 10.61 | 16.02 | 85.58 | 9.58 | |
| 16:00 | 6.83 | 9.35 | 11.85 | 21.53 | 34.64 | 0.25 | 1.43 | 9.85 | 0.25 | 3.19 | 10.04 | 14.91 | 89.52 | 9.44 | |
| 17:00 | 6.34 | 8.76 | 11.38 | 19.47 | 31.41 | 0.28 | 1.35 | 9.79 | 0.24 | 4.18 | 14.37 | 20.75 | 87.78 | 9.43 | |
| 18:00 | 7.20 | 9.80 | 12.35 | 22.58 | 39.41 | 0.24 | 1.32 | 8.69 | 0.24 | 3.51 | 13.99 | 19.36 | 82.38 | 9.51 | |
| 19:00 | 6.32 | 8.46 | 10.51 | 18.91 | 32.85 | 0.23 | 1.14 | 9.01 | 0.24 | 3.49 | 13.79 | 19.12 | 79.92 | 9.42 | |
| 20:00 | 7.79 | 10.35 | 12.62 | 25.44 | 46.86 | 0.14 | 1.51 | 9.24 | 0.26 | 3.26 | 14.10 | 19.09 | 85.37 | 9.42 | |
| 21:00 | 9.43 | 12.27 | 14.84 | 29.30 | 51.44 | 0.13 | 1.88 | 9.30 | 0.27 | 3.17 | 14.64 | 19.49 | 90.98 | 9.67 | |
| 22:00 | 7.10 | 10.08 | 12.78 | 29.46 | 55.54 | 0.41 | 2.85 | 10.05 | 0.28 | 3.52 | 20.43 | 25.81 | 74.93 | 9.75 | |
| 23:00 | 7.50 | 9.56 | 11.50 | 20.88 | 33.24 | 0.60 | 2.34 | 8.99 | 0.29 | 3.35 | 20.04 | 25.16 | 69.51 | 9.84 | |
| 24:00 | 9.84 | 13.08 | 16.49 | 28.68 | 46.15 | 0.18 | 2.49 | 7.97 | 0.38 | 3.59 | 28.68 | 34.17 | 46.30 | 9.77 | |
| Min | 6.17 | 8.34 | 10.51 | 17.94 | 28.53 | 0.13 | 1.14 | 7.97 | 0.24 | 3.17 | 9.83 | 14.91 | 3.71 | 9.42 | |
| Max | 33.66 | 42.90 | 51.21 | 72.72 | 106.68 | 0.60 | 6.30 | 11.42 | 0.38 | 29.25 | 55.75 | 93.37 | 90.98 | 11.21 | |
| Medie | 11.69 | 15.44 | 19.32 | 30.99 | 48.09 | 0.27 | 2.55 | 9.77 | 0.28 | 9.59 | 29.13 | 43.78 | 52.25 | 9.82 | |

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 |

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