

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
09 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 | 7.84 | 10.28 | 12.73 | 22.53 | 35.94 | n/a | 2.76 | n/a | 0.27 | 3.79 | 20.18 | 25.98 | 32.17 | 8.81 | 0.001 |
| 2:00 | 7.41 | 9.27 | 11.21 | 18.60 | 27.35 | n/a | 2.27 | 10.18 | 0.27 | 3.52 | 15.79 | 21.16 | 30.31 | 9.30 | |
| 3:00 | 7.48 | 8.99 | 10.75 | 15.53 | 20.67 | n/a | 2.45 | n/a | 0.25 | 3.39 | 13.60 | 18.78 | 28.34 | 8.70 | |
| 4:00 | 9.06 | 10.80 | 12.76 | 18.34 | 25.72 | n/a | 2.96 | 9.64 | 0.24 | 3.56 | 15.13 | 20.57 | 24.94 | 8.75 | |
| 5:00 | 10.78 | 12.63 | 14.64 | 20.45 | 28.69 | n/a | 2.03 | 9.23 | 0.24 | 3.66 | 18.01 | 23.59 | 25.07 | 8.96 | |
| 6:00 | 10.69 | 12.90 | 15.44 | 22.58 | 31.36 | n/a | 2.77 | 9.12 | 0.31 | 8.04 | 23.36 | 35.63 | 21.14 | 8.98 | |
| 7:00 | 10.92 | 13.41 | 16.27 | 24.55 | 35.53 | n/a | 2.34 | 9.13 | 0.24 | 14.64 | 35.02 | 57.39 | 9.41 | 8.98 | |
| 8:00 | 11.16 | 13.90 | 16.83 | 27.62 | 43.09 | n/a | 2.11 | 9.17 | 0.29 | 11.05 | 29.44 | 46.33 | 18.03 | 9.13 | |
| 9:00 | 11.10 | 13.17 | 15.42 | 23.12 | 34.63 | n/a | 1.99 | 10.43 | 0.24 | 9.45 | 26.36 | 40.80 | 29.47 | 8.90 | |
| 10:00 | 9.94 | 11.74 | 13.53 | 21.32 | 35.22 | n/a | 1.89 | 9.72 | 0.22 | 4.04 | 11.87 | 18.03 | 47.28 | 8.82 | |
| 11:00 | 8.71 | 10.56 | 12.40 | 21.25 | 38.54 | n/a | 1.42 | n/a | 0.21 | 3.59 | 9.48 | 14.97 | 56.52 | 8.91 | |
| 12:00 | 8.09 | 9.42 | 10.75 | 16.67 | 28.06 | n/a | 1.24 | 10.13 | 0.21 | 3.64 | 9.32 | 14.89 | 61.97 | 8.92 | |
| 13:00 | 8.45 | 10.26 | 12.00 | 21.11 | 36.38 | n/a | 1.50 | n/a | 0.22 | 3.93 | 10.72 | 16.72 | 67.55 | 8.76 | |
| 14:00 | 8.90 | 10.79 | 12.49 | 22.43 | 37.79 | n/a | 1.53 | n/a | 0.22 | 3.86 | 11.66 | 17.56 | 73.82 | 8.97 | |
| 15:00 | 8.95 | 10.72 | 12.39 | 21.51 | 36.69 | n/a | n/a | n/a | 0.22 | 3.51 | 11.18 | 16.54 | 78.48 | 9.08 | |
| 16:00 | 7.70 | 9.22 | 10.66 | 18.13 | 33.57 | n/a | 1.79 | n/a | 0.21 | 5.94 | 14.36 | 23.44 | 72.55 | 8.93 | |
| 17:00 | 7.33 | 8.89 | 10.34 | 18.61 | 33.94 | 1.07 | 1.38 | n/a | 0.21 | 3.37 | 9.23 | 14.36 | 76.93 | 8.63 | |
| 18:00 | 7.23 | 8.89 | 10.58 | 18.75 | 31.99 | 0.37 | 1.98 | n/a | 0.21 | 3.24 | 8.92 | 13.88 | 79.29 | 8.63 | |
| 19:00 | 6.86 | 8.68 | 10.49 | 19.74 | 38.39 | n/a | 3.30 | n/a | 0.21 | 3.25 | 8.70 | 13.65 | 78.60 | 8.59 | |
| 20:00 | 6.66 | 9.24 | 11.63 | 26.47 | 52.63 | 0.24 | 31.21 | 21.61 | 0.21 | 3.22 | 10.52 | 15.44 | 74.43 | 9.12 | |
| 21:00 | 7.60 | 10.71 | 13.30 | 32.67 | 63.26 | n/a | 10.12 | 15.34 | 0.23 | 4.05 | 19.31 | 25.51 | 61.84 | 9.85 | |
| 22:00 | 11.18 | 15.29 | 18.69 | 43.35 | 83.02 | 0.23 | 4.99 | n/a | 0.29 | 3.93 | 26.06 | 32.08 | 45.00 | 9.96 | |
| 23:00 | 10.67 | 13.73 | 16.75 | 31.52 | 54.03 | 0.23 | n/a | n/a | 0.27 | 4.03 | 31.99 | 38.15 | 35.82 | 9.68 | |
| 24:00 | 16.38 | 20.83 | 25.12 | 48.13 | 82.41 | 0.47 | 9.90 | n/a | 0.34 | 5.10 | 43.23 | 51.02 | 16.96 | 9.60 | |
| Min | 6.66 | 8.68 | 10.34 | 15.53 | 20.67 | 0.23 | 1.24 | 9.12 | 0.21 | 3.22 | 8.70 | 13.65 | 9.41 | 8.59 | |
| Max | 16.38 | 20.83 | 25.12 | 48.13 | 83.02 | 1.07 | 31.21 | 21.61 | 0.34 | 14.64 | 43.23 | 57.39 | 79.29 | 9.96 | |
| Medie | 9.21 | 11.43 | 13.63 | 23.96 | 40.37 | 0.44 | 4.27 | 11.25 | 0.24 | 4.99 | 18.06 | 25.69 | 47.75 | 9.04 | |

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 |