

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
17 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 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 | 2.00 | 2.91 | 4.08 | 6.93 | 9.78 | n/a | n/a | n/a | 0.54 | 1.76 | 6.01 | 8.69 | 44.35 | 15.41 | 0.001 |
| 2:00 | 2.39 | 3.62 | 5.30 | 9.38 | 12.94 | n/a | n/a | n/a | 0.54 | 1.55 | 2.84 | 5.21 | 36.04 | 15.37 | |
| 3:00 | 2.49 | 3.77 | 5.64 | 9.13 | 12.84 | n/a | n/a | n/a | 0.54 | 1.63 | 4.69 | 7.17 | 35.91 | 15.95 | |
| 4:00 | 2.67 | 4.05 | 5.83 | 10.54 | 15.41 | n/a | n/a | n/a | 0.54 | 1.67 | 8.76 | 11.30 | 28.16 | 15.20 | |
| 5:00 | 5.10 | 6.49 | 8.03 | 13.52 | 22.61 | n/a | n/a | n/a | 0.55 | 2.12 | 13.76 | 17.00 | 12.12 | 15.17 | |
| 6:00 | 8.26 | 9.70 | 10.89 | 18.43 | 40.40 | n/a | n/a | n/a | 0.58 | 3.13 | 16.13 | 20.90 | 9.52 | 14.94 | |
| 7:00 | 5.80 | 6.90 | 7.61 | 13.89 | 33.98 | n/a | n/a | n/a | 0.56 | 3.58 | 13.38 | 18.85 | 14.17 | 15.11 | |
| 8:00 | 8.79 | 11.08 | 12.38 | 16.25 | 27.11 | n/a | n/a | n/a | 0.57 | 10.18 | 18.20 | 33.77 | 12.06 | 14.97 | |
| 9:00 | 12.42 | 14.76 | 16.82 | 22.87 | 30.25 | n/a | n/a | n/a | 0.61 | 13.92 | 21.47 | 42.75 | 18.38 | 15.25 | |
| 10:00 | 11.18 | 15.37 | 19.81 | 31.73 | 47.56 | n/a | n/a | n/a | 0.61 | 21.30 | 26.45 | 58.99 | 22.25 | 15.63 | |
| 11:00 | 6.57 | 9.12 | 11.61 | 20.78 | 33.54 | n/a | n/a | n/a | 0.59 | 6.48 | 16.89 | 26.79 | 44.99 | 14.99 | |
| 12:00 | 10.20 | 15.47 | 19.67 | 26.67 | 37.03 | n/a | n/a | n/a | 0.70 | 2.82 | 6.43 | 10.73 | 54.55 | 14.10 | |
| 13:00 | 2.44 | 3.12 | 3.84 | 5.88 | 8.75 | n/a | n/a | n/a | 0.65 | 2.06 | 2.84 | 5.98 | 64.17 | 13.88 | |
| 14:00 | 1.79 | 2.45 | 3.18 | 5.63 | 9.81 | n/a | n/a | n/a | 0.65 | 1.71 | 1.97 | 4.59 | 67.77 | 13.93 | |
| 15:00 | 1.67 | 2.49 | 3.35 | 6.42 | 10.58 | n/a | n/a | n/a | 0.65 | 1.83 | 3.16 | 5.96 | 72.22 | 13.99 | |
| 16:00 | 1.06 | 1.86 | 2.65 | 6.86 | 14.10 | n/a | n/a | n/a | 0.65 | 1.96 | 4.49 | 7.49 | 73.94 | 14.03 | |
| 17:00 | 2.10 | 4.82 | 7.16 | 25.02 | 53.22 | n/a | n/a | n/a | 0.66 | 1.89 | 4.32 | 7.19 | 66.72 | 14.82 | |
| 18:00 | 3.26 | 4.53 | 5.87 | 10.96 | 19.07 | n/a | n/a | n/a | 0.66 | 2.07 | 4.84 | 8.00 | 58.40 | 15.13 | |
| 19:00 | 3.38 | 4.40 | 5.64 | 8.50 | 11.85 | n/a | n/a | n/a | 0.66 | 2.02 | 5.29 | 8.39 | 54.59 | 14.72 | |
| 20:00 | 2.68 | 4.26 | 5.89 | 13.94 | 25.05 | n/a | n/a | n/a | 0.66 | 1.94 | 4.30 | 7.26 | 52.88 | 14.56 | |
| 21:00 | 1.00 | 1.81 | 2.64 | 6.62 | 12.54 | n/a | n/a | n/a | 0.65 | 1.63 | 2.63 | 5.12 | 62.54 | 13.88 | |
| 22:00 | 0.99 | 1.48 | 2.02 | 3.68 | 6.33 | n/a | n/a | n/a | 0.61 | 1.75 | 3.35 | 6.00 | 60.03 | 14.50 | |
| 23:00 | 1.16 | 1.63 | 2.17 | 3.79 | 5.93 | n/a | n/a | n/a | 0.55 | 1.71 | 2.96 | 5.55 | 57.74 | 14.89 | |
| 24:00 | 1.58 | 2.21 | 2.88 | 5.01 | 7.01 | n/a | n/a | n/a | 0.55 | 1.58 | 5.17 | 7.58 | 48.07 | 14.87 | |
| Min | 0.99 | 1.48 | 2.02 | 3.68 | 5.93 | 0.00 | 0.00 | 0.00 | 0.54 | 1.55 | 1.97 | 4.59 | 9.52 | 13.88 | |
| Max | 12.42 | 15.47 | 19.81 | 31.73 | 53.22 | 0.00 | 0.00 | 0.00 | 0.70 | 21.30 | 26.45 | 58.99 | 73.94 | 15.95 | |
| Medie | 4.21 | 5.76 | 7.29 | 12.60 | 21.15 | #DIV/0! | #DIV/0! | #DIV/0! | 0.61 | 3.85 | 8.35 | 14.22 | 44.65 | 14.80 | |

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