

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
29 Iunie 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/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | mg/m ³ |
| 1:00 | 14.72 | 18.87 | 22.63 | 42.55 | 71.42 | 0.37 | 2.68 | 14.56 | 0.29 | 4.84 | 47.68 | 55.08 | 15.84 | 9.07 | *n/a |
| 2:00 | 9.88 | 12.82 | 15.81 | 29.73 | 53.16 | 0.27 | 2.69 | 15.31 | 0.25 | 8.82 | 46.75 | 60.23 | 7.16 | 8.97 | |
| 3:00 | 9.00 | 10.97 | 12.97 | 22.10 | 37.68 | 0.19 | 1.95 | 13.98 | 0.23 | 4.58 | 23.81 | 30.81 | 21.88 | 8.78 | |
| 4:00 | 10.26 | 12.22 | 14.30 | 22.03 | 36.67 | 0.21 | 1.87 | 13.67 | 0.24 | 6.06 | 33.73 | 42.99 | 12.67 | 8.49 | |
| 5:00 | 12.31 | 14.47 | 16.74 | 24.28 | 33.74 | 0.19 | 1.84 | 13.42 | 0.23 | 10.02 | 33.47 | 48.78 | 9.25 | 8.59 | |
| 6:00 | 13.16 | 15.42 | 18.14 | 24.97 | 34.72 | 0.41 | 3.43 | 22.71 | 0.23 | 13.84 | 36.49 | 57.65 | 5.38 | 8.82 | |
| 7:00 | 13.27 | 16.27 | 19.83 | 29.63 | 42.89 | 0.46 | 3.79 | 22.59 | 0.27 | 15.16 | 32.91 | 56.06 | 8.33 | 8.82 | |
| 8:00 | 15.59 | 19.95 | 24.75 | 41.60 | 65.00 | 0.60 | 3.97 | 23.44 | 0.32 | 11.59 | 31.81 | 49.51 | 16.02 | 8.63 | |
| 9:00 | 19.01 | 24.83 | 30.52 | 58.59 | 105.87 | 0.53 | 11.19 | 24.85 | 0.38 | 16.83 | 38.12 | 63.83 | 21.13 | 8.89 | |
| 10:00 | 21.73 | 28.34 | 34.46 | 69.15 | 129.77 | 0.61 | 7.70 | 22.87 | 0.34 | 11.49 | 39.02 | 56.58 | 37.17 | 9.09 | |
| 11:00 | 16.25 | 21.66 | 26.64 | 56.55 | 103.58 | 0.29 | 3.33 | 21.21 | 0.26 | 5.80 | 22.44 | 31.29 | 60.03 | 9.03 | |
| 12:00 | 14.15 | 19.10 | 24.04 | 47.24 | 84.47 | 0.23 | 2.08 | 22.93 | 0.23 | 3.88 | 13.48 | 19.40 | 76.28 | 9.38 | |
| 13:00 | 14.16 | 18.35 | 22.59 | 41.35 | 68.64 | 0.21 | n/a | n/a | 0.23 | 3.67 | 12.16 | 17.77 | 80.26 | 9.63 | |
| 14:00 | 17.77 | 27.40 | 37.98 | 73.45 | 128.75 | 0.25 | 1.65 | n/a | 0.26 | 5.76 | 28.84 | 37.65 | 92.49 | 11.21 | |
| 15:00 | 14.96 | 21.32 | 28.69 | 46.78 | 73.90 | n/a | n/a | n/a | 0.23 | 3.95 | 16.91 | 22.95 | 101.80 | 13.14 | |
| 16:00 | 12.65 | 17.61 | 23.28 | 37.72 | 59.53 | n/a | n/a | n/a | 0.24 | 3.42 | 11.96 | 17.18 | 96.81 | 12.22 | |
| 17:00 | 12.37 | 17.15 | 22.45 | 38.71 | 62.11 | n/a | n/a | n/a | 0.23 | 3.46 | 10.78 | 16.07 | 92.13 | 11.01 | |
| 18:00 | 12.36 | 17.23 | 22.61 | 39.66 | 67.78 | n/a | n/a | n/a | 0.23 | 3.32 | 11.45 | 16.53 | 75.09 | 9.90 | |
| 19:00 | 12.76 | 19.80 | 27.98 | 44.49 | 67.86 | n/a | n/a | n/a | 0.22 | 3.59 | 12.46 | 17.94 | 64.30 | 9.00 | |
| 20:00 | 12.09 | 17.96 | 25.28 | 33.08 | 41.90 | n/a | n/a | n/a | 0.24 | 4.10 | 15.74 | 21.99 | 60.34 | 8.87 | |
| 21:00 | 13.21 | 18.92 | 26.00 | 33.94 | 42.43 | 0.17 | 0.85 | 13.70 | 0.24 | 3.92 | 14.75 | 20.74 | 47.01 | 8.87 | |
| 22:00 | 12.54 | 17.82 | 24.49 | 33.96 | 45.35 | 0.19 | 0.77 | 11.55 | 0.29 | 4.36 | 17.29 | 23.96 | 38.64 | 8.67 | |
| 23:00 | 14.03 | 19.66 | 26.35 | 39.40 | 62.04 | 0.26 | 1.20 | 12.11 | 0.35 | 4.52 | 21.30 | 28.20 | 29.38 | 8.79 | |
| 24:00 | 24.56 | 30.43 | 37.38 | 49.07 | 64.09 | 0.56 | 1.53 | 12.47 | 0.34 | 5.05 | 29.11 | 36.84 | 19.59 | 8.73 | |
| Min | 9.00 | 10.97 | 12.97 | 22.03 | 33.74 | 0.17 | 0.77 | 11.55 | 0.22 | 3.32 | 10.78 | 16.07 | 5.38 | 8.49 | |
| Max | 24.56 | 30.43 | 37.98 | 73.45 | 129.77 | 0.61 | 11.19 | 24.85 | 0.38 | 16.83 | 47.68 | 63.83 | 101.80 | 13.14 | |
| Medie | 14.28 | 19.11 | 24.41 | 40.83 | 65.97 | 0.33 | 3.09 | 17.59 | 0.27 | 6.75 | 25.10 | 35.42 | 45.37 | 9.44 | |

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) | 3 |
| Particule in suspensie (PM10) | 3 |

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

| | |
|-----------------------|---|
| Indice zilnic general | 3 |
|-----------------------|---|

*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 : analizorul de formaldehida trimis la calibrat