

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
28 OCTOMBRIE 2021**



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Aleea Lac, fn

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 | 41.27 | 43.78 | 45.62 | 50.43 | 56.19 | 2.61 | 1.64 | 0.67 | 0.79 | 3.83 | 34.53 | 40.38 | 27.61 | 2.82 | N/A* |
| 2:00 | 36.95 | 38.95 | 40.32 | 44.73 | 50.82 | 2.79 | 1.70 | 0.84 | 0.77 | 19.68 | 40.82 | 70.89 | 18.44 | 2.99 | |
| 3:00 | 35.68 | 37.56 | 38.81 | 42.31 | 47.69 | 2.36 | 1.63 | 0.58 | 0.74 | 14.03 | 37.16 | 58.59 | 19.18 | 2.74 | |
| 4:00 | 33.67 | 35.59 | 36.98 | 40.28 | 44.00 | 1.91 | 1.31 | 0.48 | 0.68 | 5.07 | 30.22 | 37.97 | 23.58 | 2.31 | |
| 5:00 | 29.83 | 31.58 | 32.93 | 36.14 | 40.98 | 1.67 | 1.49 | 0.76 | 0.64 | 17.11 | 33.10 | 59.26 | 19.34 | 2.57 | |
| 6:00 | 31.66 | 33.52 | 34.82 | 38.13 | 42.52 | 1.50 | 1.13 | 0.42 | 0.63 | 9.11 | 29.48 | 43.41 | 21.78 | 2.50 | |
| 7:00 | 34.92 | 37.17 | 38.97 | 43.92 | 51.47 | 2.17 | 1.69 | 0.50 | 0.67 | 33.15 | 34.76 | 85.41 | 18.04 | 2.87 | |
| 8:00 | 39.08 | 42.11 | 44.37 | 52.84 | 64.43 | 2.96 | 2.29 | 0.56 | 0.72 | 43.80 | 37.67 | 104.61 | 18.24 | 3.23 | |
| 9:00 | 32.55 | 39.56 | 45.88 | 79.56 | 127.24 | 3.30 | 1.86 | 0.85 | 0.75 | 45.69 | 35.13 | 104.94 | 18.90 | 3.49 | |
| 10:00 | 33.86 | 37.08 | 39.58 | 51.31 | 69.73 | 2.12 | 1.52 | 0.56 | 0.68 | 51.96 | 35.96 | 115.36 | 20.31 | 3.36 | |
| 11:00 | 34.15 | 36.99 | 39.36 | 48.02 | 59.36 | 2.06 | 1.92 | 0.48 | 0.67 | 19.92 | 34.94 | 65.38 | 30.19 | 3.14 | |
| 12:00 | 47.10 | 51.16 | 54.25 | 66.16 | 83.39 | 2.17 | 2.67 | 1.10 | 0.71 | 13.67 | 33.41 | 54.30 | 41.95 | 3.62 | |
| 13:00 | 36.33 | 39.52 | 41.91 | 53.00 | 72.55 | 1.75 | 1.54 | 0.73 | 0.60 | 6.72 | 21.58 | 31.85 | 53.36 | 3.11 | |
| 14:00 | 34.19 | 37.06 | 39.12 | 47.96 | 61.87 | 1.08 | 1.07 | 0.53 | 0.56 | 3.88 | 15.09 | 21.02 | 64.08 | 2.18 | |
| 15:00 | 23.10 | 25.25 | 26.80 | 32.62 | 42.40 | 0.88 | 0.96 | 0.62 | 0.51 | 3.36 | 13.76 | 18.88 | 69.95 | 2.05 | |
| 16:00 | 19.25 | 21.00 | 22.42 | 26.75 | 34.42 | 0.92 | 1.06 | 0.68 | 0.51 | 2.84 | 14.28 | 18.62 | 73.98 | 2.40 | |
| 17:00 | 18.07 | 19.90 | 21.26 | 25.31 | 30.65 | 0.84 | 0.94 | 0.72 | 0.50 | 2.40 | 15.34 | 19.00 | 75.72 | 2.36 | |
| 18:00 | 19.78 | 22.44 | 24.50 | 32.14 | 42.23 | 1.41 | 2.45 | 1.27 | 0.57 | 3.45 | 35.47 | 40.74 | 62.36 | 2.47 | |
| 19:00 | 40.80 | 46.08 | 49.36 | 60.31 | 76.59 | 1.08 | 1.81 | 1.11 | 0.74 | 4.34 | 47.67 | 54.30 | 52.19 | 3.41 | |
| 20:00 | 138.79 | 155.43 | 165.67 | 210.50 | 272.92 | 15.04 | n/a | n/a | 1.77 | 18.57 | 79.39 | 107.77 | 21.34 | 5.37 | |
| 21:00 | 153.50 | 164.93 | 172.55 | 202.52 | 245.93 | 17.85 | 8.57 | 1.86 | 2.03 | 10.33 | 58.45 | 74.25 | 25.64 | 5.24 | |
| 22:00 | 169.25 | 180.50 | 188.19 | 213.82 | 247.57 | 13.87 | 8.20 | 1.91 | 2.02 | 52.28 | 71.14 | 151.03 | 17.64 | 4.14 | |
| 23:00 | 72.34 | 77.53 | 81.09 | 93.09 | 109.28 | 5.18 | 3.57 | 1.40 | 1.22 | 30.04 | 57.83 | 103.72 | 18.82 | 2.48 | |
| 24:00 | 60.84 | 65.88 | 68.55 | 77.76 | 90.08 | 4.92 | 3.10 | 1.14 | 0.99 | 8.02 | 51.56 | 63.82 | 19.69 | 2.91 | |
| Min | 18.07 | 19.90 | 21.26 | 25.31 | 30.65 | 0.84 | 0.94 | 0.42 | 0.50 | 2.40 | 13.76 | 18.62 | 17.64 | 2.05 | |
| Max | 169.25 | 180.50 | 188.19 | 213.82 | 272.92 | 17.85 | 8.57 | 1.91 | 2.03 | 52.28 | 79.39 | 151.03 | 75.72 | 5.37 | |
| Medie | 50.71 | 55.02 | 58.05 | 69.57 | 86.01 | 3.85 | 2.35 | 0.86 | 0.85 | 17.64 | 37.45 | 64.40 | 34.68 | 3.07 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 5 |
| Dioxid de azot (NO2) | 2 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 2 |
| Particule in suspensie (PM10) | 4 |

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

| | |
|-----------------------|---|
| Indice zilnic general | 5 |
|-----------------------|---|

*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 GaseraOne - se află în mentenanță