

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
22 DECEMBRIE 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 | 10.62 | 11.22 | 11.60 | 12.66 | 14.26 | 0.84 | n/a | n/a | 0.70 | 1.67 | 6.82 | 9.38 | 57.39 | 3.20 | 0.004 |
| 2:00 | 9.30 | 9.93 | 10.27 | 11.26 | 12.49 | 0.57 | n/a | n/a | 0.66 | 1.72 | 6.24 | 8.88 | 57.74 | 3.22 | |
| 3:00 | 7.40 | 7.75 | 7.99 | 8.48 | 8.94 | 0.47 | n/a | n/a | 0.64 | 1.71 | 5.85 | 8.45 | 57.82 | 3.20 | |
| 4:00 | 9.06 | 9.51 | 9.84 | 10.32 | 10.87 | 0.65 | n/a | n/a | 0.69 | 1.64 | 5.87 | 8.37 | 54.40 | 3.23 | |
| 5:00 | 12.11 | 12.64 | 12.99 | 13.83 | 14.74 | 0.73 | n/a | n/a | 0.70 | 1.71 | 6.21 | 8.83 | 50.68 | 3.16 | |
| 6:00 | 12.99 | 13.55 | 13.89 | 14.92 | 15.74 | 0.72 | 0.59 | n/a | 0.71 | 1.77 | 6.24 | 8.95 | 50.22 | 3.15 | |
| 7:00 | 10.68 | 11.18 | 11.53 | 12.38 | 13.41 | 0.70 | n/a | n/a | 0.68 | 1.88 | 6.59 | 9.46 | 51.33 | 3.17 | |
| 8:00 | 12.74 | 13.28 | 13.67 | 14.69 | 16.18 | 0.93 | 0.58 | n/a | 0.73 | 1.78 | 6.71 | 9.42 | 50.91 | 3.17 | |
| 9:00 | 14.30 | 15.10 | 15.67 | 18.29 | 22.23 | 0.97 | 0.81 | n/a | 0.76 | 1.89 | 7.48 | 10.36 | 46.10 | 3.23 | |
| 10:00 | 21.54 | 22.81 | 23.87 | 27.69 | 34.30 | 1.60 | 1.71 | n/a | 0.90 | 2.13 | 9.03 | 12.27 | 38.44 | 3.27 | |
| 11:00 | 19.61 | 21.23 | 22.66 | 28.21 | 37.15 | 1.69 | 1.61 | n/a | 0.85 | 2.65 | 12.29 | 16.34 | 36.01 | 3.60 | |
| 12:00 | 17.95 | 19.54 | 21.02 | 26.06 | 35.09 | 1.06 | 1.39 | n/a | 0.76 | 3.35 | 14.43 | 19.56 | 38.16 | 3.72 | |
| 13:00 | 15.01 | 15.95 | 16.67 | 19.60 | 24.18 | 0.99 | 1.25 | n/a | 0.72 | 2.95 | 14.14 | 18.65 | 45.72 | 3.34 | |
| 14:00 | 16.31 | 17.50 | 18.40 | 22.38 | 27.44 | 0.75 | 1.06 | n/a | 0.72 | 2.56 | 12.95 | 16.85 | 46.75 | 3.47 | |
| 15:00 | 13.42 | 14.39 | 15.06 | 18.48 | 25.04 | 0.68 | n/a | n/a | 0.71 | 2.39 | 13.07 | 16.72 | 47.59 | 3.33 | |
| 16:00 | 14.35 | 15.08 | 15.59 | 17.68 | 21.35 | 0.91 | 1.15 | n/a | 0.78 | 2.33 | 13.82 | 17.39 | 50.92 | 3.30 | |
| 17:00 | 18.84 | 19.92 | 20.66 | 23.06 | 26.12 | 1.58 | 0.85 | n/a | 0.84 | 2.17 | 13.62 | 16.94 | 49.90 | 3.21 | |
| 18:00 | 25.13 | 26.19 | 26.82 | 28.67 | 32.09 | 1.59 | 1.26 | n/a | 0.98 | 2.18 | 13.32 | 16.64 | 51.55 | 3.26 | |
| 19:00 | 24.78 | 25.73 | 26.34 | 27.87 | 30.99 | 2.41 | 1.08 | n/a | 0.98 | 1.98 | 13.31 | 16.33 | 49.01 | 3.32 | |
| 20:00 | 29.64 | 30.72 | 31.29 | 33.35 | 36.55 | 2.09 | 1.05 | n/a | 1.02 | 2.03 | 14.82 | 17.92 | 45.38 | 3.29 | |
| 21:00 | 32.68 | 33.90 | 34.70 | 36.71 | 39.17 | 2.31 | 1.32 | n/a | 1.07 | 2.10 | 15.71 | 18.91 | 43.85 | 3.43 | |
| 22:00 | 22.26 | 23.80 | 24.94 | 28.91 | 34.09 | 2.81 | 1.55 | n/a | 0.93 | 2.14 | 15.95 | 19.22 | 36.66 | 3.43 | |
| 23:00 | 29.58 | 32.34 | 33.59 | 38.77 | 45.48 | 3.19 | 1.56 | n/a | 1.03 | 2.51 | 18.48 | 22.30 | 31.26 | 3.29 | |
| 24:00 | 29.56 | 31.90 | 33.49 | 40.33 | 49.55 | 1.85 | 0.95 | n/a | 0.97 | 3.29 | 22.91 | 27.94 | 21.53 | 3.27 | |
| Min | 7.40 | 7.75 | 7.99 | 8.48 | 8.94 | 0.47 | 0.58 | 0.00 | 0.64 | 1.64 | 5.85 | 8.37 | 21.53 | 3.15 | |
| Max | 32.68 | 33.90 | 34.70 | 40.33 | 49.55 | 3.19 | 1.71 | 0.00 | 1.07 | 3.35 | 22.91 | 27.94 | 57.82 | 3.72 | |
| Medie | 17.91 | 18.97 | 19.69 | 22.27 | 26.14 | 1.34 | 1.16 | #DIV/0! | 0.81 | 2.19 | 11.49 | 14.84 | 46.22 | 3.30 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 2 |
| Dioxid de azot (NO2) | 1 |
| 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 |