

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
26 IANUARIE 2022**



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 | 23.43 | 24.23 | 24.73 | 25.94 | 27.56 | 0.65 | n/a | n/a | 0.83 | 1.72 | 9.08 | 11.71 | 58.73 | 4.98 | 0.005 |
| 2:00 | 24.78 | 25.74 | 26.37 | 27.84 | 29.12 | 0.80 | n/a | n/a | 0.85 | 1.62 | 8.42 | 10.89 | 58.07 | 5.00 | |
| 3:00 | 25.14 | 26.03 | 26.62 | 27.71 | 29.01 | 0.73 | n/a | n/a | 0.85 | 1.70 | 8.22 | 10.82 | 57.23 | 4.77 | |
| 4:00 | 24.25 | 25.17 | 25.77 | 27.42 | 30.14 | 0.60 | n/a | n/a | 0.82 | 1.67 | 8.15 | 10.70 | 57.46 | 4.88 | |
| 5:00 | 21.22 | 22.06 | 22.68 | 23.66 | 25.00 | 0.59 | n/a | n/a | 0.80 | 1.70 | 7.72 | 10.32 | 59.87 | 4.88 | |
| 6:00 | 20.67 | 21.49 | 22.00 | 23.39 | 25.21 | 0.55 | n/a | n/a | 0.79 | 1.67 | 7.65 | 10.19 | 60.04 | 5.26 | |
| 7:00 | 21.94 | 22.80 | 23.37 | 24.81 | 26.51 | 0.64 | n/a | n/a | 0.82 | 1.76 | 7.53 | 10.20 | 58.72 | 5.51 | |
| 8:00 | 25.61 | 26.70 | 27.26 | 29.89 | 32.72 | 0.95 | n/a | n/a | 0.89 | 1.73 | 7.81 | 10.45 | 55.64 | 6.64 | |
| 9:00 | 26.34 | 27.42 | 28.00 | 29.72 | 31.45 | 1.03 | 0.67 | n/a | 0.89 | 1.78 | 8.86 | 11.58 | 53.32 | 6.10 | |
| 10:00 | 28.54 | 29.78 | 30.48 | 32.78 | 35.44 | 1.06 | 0.65 | n/a | 0.90 | 1.82 | 9.89 | 12.67 | 55.47 | 5.87 | |
| 11:00 | 29.64 | 31.18 | 32.07 | 34.73 | 39.00 | 0.92 | n/a | n/a | 0.91 | 1.77 | 9.72 | 12.42 | 58.34 | 5.60 | |
| 12:00 | 31.85 | 33.67 | 34.82 | 37.89 | 43.18 | 1.00 | 1.05 | n/a | 0.92 | 1.84 | 9.60 | 12.41 | 59.93 | 5.97 | |
| 13:00 | 30.47 | 32.17 | 33.32 | 35.73 | 39.35 | 0.84 | n/a | n/a | 0.89 | 1.87 | 9.30 | 12.15 | 59.90 | 6.08 | |
| 14:00 | 28.69 | 30.36 | 31.28 | 37.02 | 47.94 | 0.86 | 0.70 | n/a | 0.88 | 1.86 | 9.47 | 12.30 | 59.95 | 5.89 | |
| 15:00 | 29.29 | 30.75 | 31.70 | 34.73 | 39.24 | 0.79 | 1.19 | n/a | 0.88 | 1.91 | 9.60 | 12.51 | 59.82 | 5.62 | |
| 16:00 | 30.59 | 31.95 | 32.66 | 35.39 | 39.25 | 0.81 | n/a | n/a | 0.87 | 1.85 | 9.41 | 12.24 | 58.86 | 5.63 | |
| 17:00 | 30.40 | 31.64 | 32.44 | 34.13 | 35.99 | 1.07 | n/a | n/a | 0.91 | 1.86 | 8.97 | 11.81 | 56.99 | 5.52 | |
| 18:00 | 34.60 | 36.26 | 37.16 | 40.82 | 46.18 | 0.91 | 0.64 | n/a | 0.93 | 1.90 | 9.90 | 12.80 | 51.20 | 5.64 | |
| 19:00 | 34.61 | 36.02 | 36.79 | 38.68 | 41.25 | 1.07 | 1.05 | n/a | 0.97 | 2.02 | 10.51 | 13.60 | 50.38 | 5.69 | |
| 20:00 | 34.78 | 36.09 | 36.76 | 38.40 | 41.17 | 1.12 | 0.76 | n/a | 0.96 | 2.01 | 10.82 | 13.89 | 49.82 | 5.81 | |
| 21:00 | 30.89 | 32.10 | 32.70 | 33.88 | 35.58 | 0.78 | 0.66 | n/a | 0.92 | 1.99 | 10.59 | 13.63 | 51.21 | 5.94 | |
| 22:00 | 30.32 | 31.40 | 31.94 | 32.54 | 33.86 | 0.97 | 0.65 | n/a | 0.93 | 1.96 | 10.13 | 13.11 | 51.40 | 5.88 | |
| 23:00 | 32.25 | 33.57 | 34.24 | 36.50 | 39.41 | 1.18 | 0.70 | n/a | 0.96 | 1.95 | 9.65 | 12.64 | 48.92 | 5.70 | |
| 24:00 | 30.25 | 31.36 | 31.92 | 33.42 | 35.94 | 1.08 | 0.68 | n/a | 0.91 | 1.96 | 9.14 | 12.14 | 49.26 | 5.75 | |
| Min | 20.67 | 21.49 | 22.00 | 23.39 | 25.00 | 0.55 | 0.64 | 0.00 | 0.79 | 1.62 | 7.53 | 10.19 | 48.92 | 4.77 | |
| Max | 34.78 | 36.26 | 37.16 | 40.82 | 47.94 | 1.18 | 1.19 | 0.00 | 0.97 | 2.02 | 10.82 | 13.89 | 60.04 | 6.64 | |
| Medie | 28.36 | 29.58 | 30.30 | 32.38 | 35.40 | 0.88 | 0.78 | #DIV/0! | 0.89 | 1.83 | 9.17 | 11.97 | 55.86 | 5.61 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 4 |
| 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 | 4 |
|-----------------------|---|

*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 |