

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

2 MAI 2020



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Amplasament: Str. M. Kogalniceanu nr. 114 A

Valori medii orare

| Time | PM1 | PM2.5 | PM4 | PM10 | PMtot | Benzen | Toluen | Etil-benzen | CO | NO | NO2 | NOx | O3 | SO2 | Formal dehidra |
|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------|
| 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 | 12.29 | 13.42 | 14.30 | 15.98 | 17.81 | 0.62 | 1.33 | 3.98 | 0.33 | 1.24 | 7.09 | 8.98 | 32.30 | 5.12 | 0.001 |
| 2:00 | 7.30 | 8.12 | 8.85 | 10.85 | 13.34 | 0.32 | 1.02 | 3.57 | 0.29 | 0.92 | 5.43 | 6.83 | 42.57 | 5.10 | |
| 3:00 | 6.37 | 7.32 | 8.32 | 10.86 | 12.84 | sld | 0.87 | 3.95 | 0.23 | 0.70 | 3.63 | 4.69 | 44.32 | 5.01 | |
| 4:00 | 6.19 | 7.15 | 8.22 | 10.95 | 13.98 | 0.20 | 1.06 | 4.06 | 0.23 | 1.13 | 5.86 | 7.60 | 41.06 | 5.54 | |
| 5:00 | 7.53 | 8.36 | 9.20 | 10.83 | 12.52 | 0.53 | 0.72 | 3.79 | 0.22 | 0.89 | 7.89 | 9.25 | 38.29 | 9.54 | |
| 6:00 | 7.73 | 8.63 | 9.58 | 11.58 | 13.57 | 0.24 | 0.76 | 4.16 | 0.21 | 0.98 | 6.83 | 8.32 | 45.13 | 15.55 | |
| 7:00 | 9.48 | 10.36 | 11.31 | 13.37 | 15.73 | sld | 0.91 | 4.04 | 0.21 | 1.06 | 6.44 | 8.06 | 48.90 | 10.73 | |
| 8:00 | 10.01 | 10.84 | 11.65 | 13.82 | 16.44 | sld | 0.94 | 4.05 | 0.21 | 1.20 | 5.34 | 7.17 | 54.23 | 7.18 | |
| 9:00 | 9.16 | 9.84 | 10.54 | 12.23 | 14.39 | 0.41 | 0.69 | 3.85 | 0.21 | 1.56 | 5.02 | 7.41 | 59.39 | 7.03 | |
| 10:00 | 5.59 | 6.10 | 6.53 | 8.25 | 11.36 | sld | 0.82 | 4.04 | 0.21 | 1.08 | 3.50 | 5.15 | 71.80 | 6.23 | |
| 11:00 | 4.43 | 4.86 | 5.22 | 6.80 | 9.53 | sld | n/a | 3.87 | 0.19 | 0.95 | 3.01 | 4.46 | 79.05 | 5.96 | |
| 12:00 | 2.94 | 3.36 | 3.79 | 4.99 | 6.71 | 0.35 | 0.53 | 3.82 | 0.19 | 0.81 | 3.00 | 4.23 | 83.27 | 5.29 | |
| 13:00 | 3.11 | 3.82 | 4.40 | 7.48 | 11.76 | 1.04 | 0.62 | 3.94 | 0.19 | 2.34 | 10.22 | 13.79 | 79.26 | 12.28 | |
| 14:00 | 2.83 | 3.43 | 3.89 | 7.07 | 13.18 | 0.47 | 0.54 | 4.12 | 0.19 | 1.36 | 5.39 | 7.47 | 86.87 | 7.43 | |
| 15:00 | 2.49 | 2.96 | 3.30 | 5.45 | 8.79 | 0.94 | 0.61 | 4.26 | 0.19 | 0.83 | 2.99 | 4.26 | 90.19 | 5.31 | |
| 16:00 | 2.72 | 3.26 | 3.65 | 6.34 | 11.61 | 0.59 | 0.82 | 4.46 | 0.19 | 0.94 | 2.97 | 4.40 | 86.10 | 4.64 | |
| 17:00 | 2.61 | 3.16 | 3.59 | 6.18 | 11.05 | sld | 0.66 | 4.62 | 0.20 | 0.69 | 2.10 | 3.14 | 87.14 | 4.48 | |
| 18:00 | 2.27 | 3.18 | 3.94 | 9.16 | 19.75 | 0.24 | 0.78 | 4.86 | 0.19 | 0.71 | 3.94 | 5.02 | 87.38 | 4.48 | |
| 19:00 | 2.65 | 3.60 | 4.38 | 9.61 | 19.18 | 0.59 | 0.82 | 4.97 | 0.20 | 0.97 | 4.17 | 5.65 | 86.80 | 4.51 | |
| 20:00 | 3.31 | 4.53 | 5.49 | 12.71 | 25.61 | sld | 1.14 | 5.12 | 0.21 | 0.94 | 6.52 | 7.95 | 83.55 | 4.42 | |
| 21:00 | 5.92 | 7.34 | 8.51 | 15.10 | 26.44 | 1.43 | 1.66 | 6.17 | 0.25 | 1.24 | 10.45 | 12.34 | 70.47 | 4.87 | |
| 22:00 | 3.86 | 4.70 | 5.40 | 8.77 | 16.14 | 0.42 | 0.81 | 4.50 | 0.22 | 1.01 | 4.64 | 6.19 | 72.93 | 4.99 | |
| 23:00 | 3.80 | 4.44 | 4.99 | 7.15 | 12.49 | sld | 0.89 | 4.20 | 0.21 | 0.55 | 4.18 | 5.02 | 72.49 | 8.10 | |
| 24:00 | 6.58 | 7.48 | 8.39 | 10.79 | 14.61 | sld | 0.71 | 4.20 | 0.21 | 0.85 | 6.83 | 8.11 | 61.96 | 18.69 | |
| Min | 2.27 | 2.96 | 3.30 | 4.99 | 6.71 | 0.20 | 0.53 | 3.57 | 0.19 | 0.55 | 2.10 | 3.14 | 32.30 | 4.42 | |
| Max | 12.29 | 13.42 | 14.30 | 15.98 | 26.44 | 1.43 | 1.66 | 6.17 | 0.33 | 2.34 | 10.45 | 13.79 | 90.19 | 18.69 | |
| Medie | 5.47 | 6.26 | 6.98 | 9.85 | 14.53 | 0.56 | 0.86 | 4.28 | 0.22 | 1.04 | 5.31 | 6.90 | 66.89 | 7.19 | |

Indice privind calitatea aerului in Municipiul Sebes - Ordin 1095/2007

| | |
|-----------------------------|---|
| Monoxid de Carbon (CO) | 1 |
| Dioxid de azot (NO2) | 1 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 3 |
| Pulberi in suspensie (PM10) | 1 |

| | |
|---|------------|
| 1 | Excelent |
| 2 | Foarte bun |
| 3 | Bun |
| 4 | Mediu |
| 5 | Rau |
| 6 | Foarte rau |

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

sld-sub limita de detectie

*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 |