

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

18 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 dehid |
|--------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|
| 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 | 3.94 | 4.68 | 5.39 | 7.06 | 9.54 | 0.35 | 1.07 | 4.80 | 0.22 | 0.83 | 4.82 | 6.08 | 53.67 | 4.97 | <0.001 |
| 2:00 | 3.50 | 4.38 | 5.28 | 7.05 | 10.76 | 0.33 | 1.05 | 4.75 | 0.22 | 0.84 | 5.15 | 6.43 | 51.86 | 4.89 | |
| 3:00 | 3.42 | 4.35 | 5.28 | 7.14 | 10.40 | 0.34 | 1.12 | 4.81 | 0.21 | 0.89 | 4.08 | 5.43 | 51.43 | 4.98 | |
| 4:00 | 3.21 | 4.05 | 4.93 | 6.43 | 10.26 | 0.31 | 1.10 | 4.79 | 0.22 | 0.80 | 3.29 | 4.50 | 53.70 | 4.98 | |
| 5:00 | 4.65 | 5.62 | 6.68 | 8.60 | 12.08 | 0.34 | 0.92 | 4.86 | 0.22 | 0.74 | 2.85 | 3.98 | 59.87 | 4.96 | |
| 6:00 | 4.98 | 5.88 | 6.87 | 8.74 | 10.93 | 0.32 | 1.17 | 4.78 | 0.23 | 0.91 | 2.95 | 4.34 | 63.61 | 5.00 | |
| 7:00 | 6.39 | 7.39 | 8.31 | 12.61 | 19.49 | 0.33 | 1.02 | 4.63 | 0.23 | 1.18 | 5.49 | 7.29 | 69.12 | 4.87 | |
| 8:00 | 7.18 | 8.19 | 9.09 | 14.19 | 23.01 | 0.41 | 1.35 | 4.75 | 0.23 | 0.91 | 6.60 | 8.00 | 70.06 | 4.85 | |
| 9:00 | 7.14 | 8.19 | 9.26 | 13.62 | 20.52 | 0.32 | 0.83 | n/a | 0.23 | 1.04 | 4.82 | 6.40 | 71.80 | 4.90 | |
| 10:00 | 6.69 | 8.19 | 9.59 | 17.42 | 31.90 | 0.32 | 0.81 | 3.82 | 0.23 | 1.32 | 5.39 | 7.40 | 70.06 | 4.86 | |
| 11:00 | 6.62 | 8.41 | 10.04 | 20.14 | 36.16 | 0.34 | 0.95 | 4.25 | 0.23 | 1.43 | 6.04 | 8.22 | 68.07 | 4.86 | |
| 12:00 | 5.83 | 7.61 | 9.30 | 19.03 | 33.44 | 0.30 | 0.86 | 4.15 | 0.23 | 1.51 | 5.05 | 7.36 | 74.01 | 4.86 | |
| 13:00 | 5.24 | 6.50 | 7.80 | 12.12 | 18.82 | 0.27 | 0.88 | 4.27 | 0.22 | 0.98 | 2.30 | 3.81 | 79.46 | 4.84 | |
| 14:00 | 5.52 | 7.04 | 8.63 | 12.94 | 20.22 | 0.22 | 1.45 | 4.76 | 0.21 | 0.82 | 2.55 | 3.81 | 81.86 | 4.91 | |
| 15:00 | 7.57 | 9.90 | 12.47 | 19.35 | 30.39 | 0.26 | 1.17 | 4.78 | 0.22 | 1.08 | 4.04 | 5.69 | 86.55 | 5.29 | |
| 16:00 | 8.15 | 10.39 | 12.80 | 19.19 | 29.84 | 0.21 | 0.93 | 4.90 | 0.21 | 0.87 | 2.90 | 4.23 | 87.52 | 5.14 | |
| 17:00 | 7.03 | 8.98 | 11.18 | 16.05 | 24.12 | 0.15 | 0.85 | 6.26 | 0.21 | 1.10 | 3.72 | 5.39 | 90.56 | 5.15 | |
| 18:00 | 4.97 | 6.44 | 8.01 | 12.06 | 19.09 | 0.28 | 0.92 | 8.16 | 0.20 | 0.87 | 3.32 | 4.65 | 95.74 | 5.03 | |
| 19:00 | 5.40 | 6.80 | 8.17 | 12.81 | 19.63 | 0.16 | 0.78 | 6.69 | 0.20 | 0.89 | 3.42 | 4.78 | 96.52 | 5.03 | |
| 20:00 | 6.52 | 8.39 | 10.05 | 16.60 | 27.18 | 0.21 | 1.05 | 6.78 | 0.22 | 0.89 | 5.10 | 6.45 | 94.76 | 5.11 | |
| 21:00 | 6.28 | 9.70 | 12.97 | 30.46 | 55.56 | 0.33 | 1.71 | 7.43 | 0.24 | 0.95 | 14.34 | 15.79 | 76.66 | 5.26 | |
| 22:00 | 9.97 | 15.01 | 19.73 | 42.28 | 72.24 | 1.02 | 3.13 | 7.71 | 0.33 | 1.25 | 20.86 | 22.78 | 54.60 | 5.42 | |
| 23:00 | 8.89 | 12.15 | 15.15 | 29.98 | 50.62 | 0.72 | 1.89 | 7.36 | 0.28 | 0.98 | 12.63 | 14.14 | 53.97 | 5.36 | |
| 24:00 | 8.34 | 11.22 | 14.12 | 25.69 | 42.20 | 0.59 | 1.96 | 7.41 | 0.30 | 0.91 | 12.21 | 13.61 | 49.45 | 5.30 | |
| Min | 3.21 | 4.05 | 4.93 | 6.43 | 9.54 | 0.15 | 0.78 | 3.82 | 0.20 | 0.74 | 2.30 | 3.81 | 49.45 | 4.84 | |
| Max | 9.97 | 15.01 | 19.73 | 42.28 | 72.24 | 1.02 | 3.13 | 8.16 | 0.33 | 1.51 | 20.86 | 22.78 | 96.52 | 5.42 | |
| Medie | 6.14 | 7.89 | 9.63 | 16.32 | 26.60 | 0.35 | 1.21 | 5.52 | 0.23 | 1.00 | 6.00 | 7.52 | 71.04 | 5.03 | |

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) | 2 |

| | |
|---|------------|
| 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 |