

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

6 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 | 3.14 | 3.59 | 4.06 | 4.73 | 5.53 | 0.69 | n/a | n/a | 0.20 | 0.69 | 2.82 | 3.86 | 84.11 | 6.00 | <0.001 |
| 2:00 | 2.83 | 3.28 | 3.77 | 4.67 | 5.96 | sld | n/a | 3.39 | 0.20 | 0.94 | 5.11 | 6.53 | 75.61 | 6.60 | |
| 3:00 | 6.12 | 6.77 | 7.46 | 8.05 | 8.67 | 0.83 | n/a | 2.98 | 0.21 | 0.70 | 5.45 | 6.51 | 73.76 | 9.75 | |
| 4:00 | 6.92 | 7.65 | 8.41 | 9.41 | 10.31 | 0.63 | n/a | 3.31 | 0.22 | 0.79 | 6.54 | 7.76 | 69.79 | 10.94 | |
| 5:00 | 6.48 | 7.05 | 7.61 | 8.71 | 9.92 | sld | n/a | 3.44 | 0.21 | 0.78 | 6.47 | 7.65 | 66.73 | 14.16 | |
| 6:00 | 5.89 | 6.45 | 7.03 | 8.25 | 9.72 | 0.65 | n/a | 3.39 | 0.21 | 1.10 | 7.18 | 8.85 | 63.05 | 18.52 | |
| 7:00 | 4.97 | 5.53 | 6.09 | 7.51 | 9.22 | sld | 0.98 | 3.42 | 0.21 | 1.44 | 10.04 | 12.23 | 60.82 | 16.59 | |
| 8:00 | 4.41 | 5.18 | 6.04 | 8.40 | 11.68 | 0.57 | 0.62 | 3.42 | 0.22 | 1.59 | 7.39 | 9.81 | 62.78 | 11.16 | |
| 9:00 | 3.62 | 4.36 | 5.16 | 7.46 | 10.61 | 0.58 | n/a | n/a | 0.22 | 1.36 | 4.30 | 6.38 | 68.67 | 6.21 | |
| 10:00 | 3.22 | 4.05 | 4.81 | 7.94 | 13.59 | 0.72 | n/a | n/a | 0.21 | 1.11 | 4.00 | 5.70 | 75.62 | 5.55 | |
| 11:00 | 3.13 | 4.05 | 5.00 | 8.24 | 12.93 | sld | n/a | 2.99 | 0.21 | 1.07 | 4.01 | 5.65 | 80.98 | 4.96 | |
| 12:00 | 4.04 | 5.15 | 6.29 | 10.48 | 16.79 | 0.44 | n/a | 3.45 | 0.24 | 1.73 | 6.74 | 9.38 | 80.33 | 5.42 | |
| 13:00 | 6.66 | 7.95 | 9.07 | 15.06 | 25.47 | sld | n/a | 2.88 | 0.27 | 2.08 | 11.29 | 14.48 | 75.68 | 7.07 | |
| 14:00 | 12.03 | 13.75 | 15.28 | 22.76 | 37.80 | sld | 0.62 | 2.83 | 0.25 | 6.10 | 16.05 | 25.37 | 72.55 | 13.28 | |
| 15:00 | 2.56 | 3.48 | 4.20 | 9.60 | 17.77 | sld | n/a | 2.86 | 0.21 | 1.01 | 4.33 | 5.87 | 90.03 | 4.54 | |
| 16:00 | 2.51 | 3.88 | 5.19 | 11.78 | 23.99 | sld | n/a | 2.55 | 0.22 | 1.62 | 6.52 | 9.00 | 85.86 | 4.52 | |
| 17:00 | 2.55 | 3.73 | 5.00 | 8.96 | 15.54 | sld | 1.41 | 2.47 | 0.20 | 1.17 | 5.95 | 7.73 | 86.61 | 4.45 | |
| 18:00 | 3.00 | 4.25 | 5.49 | 10.47 | 19.89 | sld | n/a | 2.33 | 0.20 | 1.01 | 5.85 | 7.39 | 87.06 | 4.45 | |
| 19:00 | 3.04 | 3.91 | 4.75 | 8.55 | 16.45 | 0.44 | n/a | n/a | 0.20 | 0.73 | 5.17 | 6.29 | 86.85 | 4.46 | |
| 20:00 | 3.16 | 4.34 | 5.60 | 10.65 | 18.44 | sld | n/a | 1.97 | 0.20 | 0.74 | 6.59 | 7.72 | 82.46 | 4.69 | |
| 21:00 | 2.71 | 4.12 | 5.40 | 13.22 | 25.61 | sld | n/a | 2.03 | 0.20 | 0.90 | 8.72 | 10.08 | 78.73 | 6.22 | |
| 22:00 | 2.65 | 4.35 | 6.02 | 14.23 | 26.64 | 0.50 | n/a | 1.62 | 0.20 | 0.92 | 9.18 | 10.59 | 75.85 | 11.88 | |
| 23:00 | 3.45 | 5.17 | 7.04 | 14.12 | 23.95 | 0.69 | n/a | 1.77 | 0.22 | 0.73 | 9.82 | 10.92 | 69.48 | 8.24 | |
| 24:00 | 4.09 | 5.98 | 7.91 | 16.33 | 29.90 | 0.80 | n/a | n/a | 0.23 | 0.63 | 8.23 | 9.19 | 69.93 | 6.17 | |
| Min | 2.51 | 3.28 | 3.77 | 4.67 | 5.53 | 0.44 | 0.62 | 1.62 | 0.20 | 0.63 | 2.82 | 3.86 | 60.82 | 4.45 | |
| Max | 12.03 | 13.75 | 15.28 | 22.76 | 37.80 | 0.83 | 1.41 | 3.45 | 0.27 | 6.10 | 16.05 | 25.37 | 90.03 | 18.52 | |
| Medie | 4.30 | 5.33 | 6.36 | 10.40 | 16.93 | 0.63 | 0.91 | 2.79 | 0.22 | 1.29 | 6.99 | 8.96 | 75.97 | 8.16 | |

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 |