

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

29 MAI 2020



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Amplasament: PETRESTI str. 1 MAI nr. 68

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 | 3.47 | 4.00 | 4.61 | 6.48 | 9.40 | 0.48 | 1.06 | 7.44 | 0.25 | 0.67 | 2.14 | 3.15 | 59.96 | 5.47 | <0.001 |
| 2:00 | 2.40 | 2.93 | 3.63 | 4.94 | 6.61 | 0.25 | 0.88 | n/a | 0.24 | 0.82 | 3.56 | 4.81 | 63.85 | 6.82 | |
| 3:00 | 2.28 | 2.83 | 3.44 | 5.18 | 6.73 | 0.22 | 0.83 | n/a | 0.21 | 0.75 | 1.93 | 3.05 | 67.85 | 7.54 | |
| 4:00 | 2.31 | 2.88 | 3.59 | 4.99 | 6.66 | 0.20 | 0.75 | 5.20 | 0.21 | 0.65 | 1.83 | 2.82 | 69.01 | 7.63 | |
| 5:00 | 2.81 | 3.52 | 4.38 | 6.49 | 9.39 | 0.21 | 0.84 | 5.64 | 0.22 | 0.74 | 3.80 | 4.93 | 62.00 | 8.24 | |
| 6:00 | 3.05 | 3.94 | 4.98 | 7.77 | 11.41 | 0.21 | 0.89 | 5.65 | 0.22 | 1.68 | 6.20 | 8.76 | 61.19 | 8.59 | |
| 7:00 | 4.27 | 5.60 | 7.08 | 12.23 | 19.41 | 0.31 | 0.91 | 4.95 | 0.29 | 8.63 | 22.48 | 35.66 | 42.47 | 9.28 | |
| 8:00 | 5.37 | 7.31 | 9.61 | 16.37 | 24.18 | 0.64 | n/a | n/a | 0.30 | 7.22 | 24.16 | 35.19 | 29.54 | 8.35 | |
| 9:00 | 5.15 | 6.76 | 8.48 | 14.47 | 22.97 | 0.50 | 1.93 | 5.79 | 0.26 | 5.39 | 11.98 | 20.21 | 50.38 | 8.84 | |
| 10:00 | 4.54 | 6.01 | 7.56 | 13.49 | 21.97 | 0.42 | 1.04 | 5.20 | 0.25 | 5.73 | 10.54 | 19.30 | 55.67 | 8.47 | |
| 11:00 | 4.28 | 5.55 | 6.89 | 11.48 | 17.76 | 0.46 | 0.97 | 5.18 | 0.25 | 5.21 | 9.65 | 17.61 | 60.90 | 6.19 | |
| 12:00 | 3.78 | 4.89 | 6.22 | 10.31 | 16.19 | 0.29 | 0.95 | 4.93 | 0.27 | 7.26 | 10.79 | 21.87 | 62.30 | 5.69 | |
| 13:00 | 4.74 | 5.89 | 7.08 | 11.96 | 19.30 | 0.38 | 0.94 | 2.80 | 0.25 | 5.28 | 9.14 | 17.21 | 69.15 | 6.30 | |
| 14:00 | 4.38 | 5.40 | 6.36 | 11.40 | 20.29 | 0.35 | 0.58 | 2.10 | 0.26 | 4.18 | 11.01 | 17.40 | 73.63 | 6.14 | |
| 15:00 | 3.52 | 4.51 | 5.53 | 9.80 | 16.64 | 0.26 | 0.76 | 1.71 | 0.28 | 5.45 | 14.72 | 23.05 | 61.72 | 5.87 | |
| 16:00 | 2.39 | 3.65 | 4.83 | 11.67 | 23.90 | 0.23 | 0.79 | 1.96 | 0.26 | 7.26 | 13.68 | 24.77 | 73.24 | 5.38 | |
| 17:00 | 2.37 | 3.07 | 3.81 | 6.89 | 11.85 | 0.31 | 0.60 | 2.45 | 0.22 | 4.23 | 7.25 | 13.72 | 78.52 | 5.23 | |
| 18:00 | 1.90 | 2.48 | 3.13 | 5.44 | 8.95 | 0.18 | 0.60 | 2.69 | 0.22 | 4.36 | 8.45 | 15.12 | 81.49 | 5.25 | |
| 19:00 | 2.83 | 3.69 | 4.50 | 8.26 | 15.18 | 0.23 | 0.81 | 3.02 | 0.22 | 3.64 | 7.13 | 12.69 | 77.55 | 6.24 | |
| 20:00 | 3.52 | 4.57 | 5.63 | 9.65 | 17.79 | 0.15 | 0.56 | 3.00 | 0.22 | 1.23 | 4.80 | 6.67 | 80.85 | 5.41 | |
| 21:00 | 6.94 | 8.18 | 9.38 | 12.03 | 16.25 | 0.82 | 0.97 | n/a | 0.32 | 1.46 | 9.27 | 11.50 | 74.90 | 5.41 | |
| 22:00 | 5.62 | 6.32 | 6.98 | 9.14 | 12.35 | 1.15 | 1.00 | 3.46 | 0.35 | 1.11 | 8.79 | 10.50 | 70.62 | 5.79 | |
| 23:00 | 5.46 | 6.15 | 6.86 | 9.18 | 12.45 | 0.55 | 0.88 | 3.76 | 0.31 | 1.14 | 5.13 | 6.87 | 68.86 | 5.83 | |
| 24:00 | 7.49 | 8.37 | 9.23 | 11.77 | 14.65 | 0.67 | 1.04 | 3.63 | 0.42 | 1.00 | 7.30 | 8.83 | 56.32 | 5.68 | |
| Min | 1.90 | 2.48 | 3.13 | 4.94 | 6.61 | 0.15 | 0.56 | 1.71 | 0.21 | 0.65 | 1.83 | 2.82 | 29.54 | 5.23 | |
| Max | 7.49 | 8.37 | 9.61 | 16.37 | 24.18 | 1.15 | 1.93 | 7.44 | 0.42 | 8.63 | 24.16 | 35.66 | 81.49 | 9.28 | |
| Medie | 3.95 | 4.94 | 5.99 | 9.64 | 15.09 | 0.39 | 0.90 | 4.03 | 0.26 | 3.55 | 8.99 | 14.40 | 64.67 | 6.65 | |

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 |