

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

9 Iunie 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/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | mg/m ³ |
| 1:00 | 5.05 | 6.90 | 8.81 | 13.83 | 20.27 | 0.39 | 1.15 | 11.32 | 0.38 | 1.19 | 6.57 | 8.38 | 49.73 | 5.88 | <0.001 |
| 2:00 | 5.08 | 6.77 | 8.73 | 12.40 | 17.64 | 0.30 | 1.19 | 12.01 | 0.33 | 0.71 | 4.20 | 5.27 | 47.29 | 5.79 | |
| 3:00 | 4.95 | 6.75 | 8.78 | 13.44 | 18.45 | 0.22 | 1.13 | 11.24 | 0.28 | 0.60 | 3.14 | 4.05 | 45.51 | 5.89 | |
| 4:00 | 5.11 | 6.99 | 9.08 | 14.68 | 21.06 | 0.43 | 1.02 | 11.05 | 0.48 | 0.73 | 6.10 | 7.21 | 44.15 | 5.84 | |
| 5:00 | 6.01 | 8.09 | 10.42 | 15.46 | 21.88 | 0.18 | n/a | n/a | 0.20 | 1.69 | 6.39 | 8.97 | 32.70 | 5.79 | |
| 6:00 | 6.74 | 8.97 | 11.46 | 17.00 | 24.69 | 0.26 | 1.76 | 11.10 | 0.25 | 2.36 | 8.88 | 12.49 | 25.99 | 5.74 | |
| 7:00 | 7.35 | 10.35 | 13.55 | 22.87 | 37.42 | 0.60 | 2.26 | 11.05 | 0.27 | 17.08 | 22.76 | 48.85 | 15.06 | 6.09 | |
| 8:00 | 8.86 | 12.91 | 16.89 | 33.89 | 60.32 | 0.70 | 2.15 | 10.90 | 0.24 | 6.43 | 18.56 | 28.39 | 22.34 | 5.89 | |
| 9:00 | 9.58 | 13.22 | 17.14 | 29.95 | 48.31 | 0.41 | 1.98 | 10.62 | 0.23 | 5.80 | 15.68 | 24.55 | 30.64 | 6.04 | |
| 10:00 | 9.07 | 11.94 | 14.84 | 24.51 | 37.23 | 0.23 | 1.67 | 10.62 | 0.20 | 1.99 | 9.23 | 12.26 | 39.86 | 6.07 | |
| 11:00 | 8.85 | 11.36 | 14.12 | 21.00 | 31.12 | 0.25 | 1.30 | 10.29 | 0.21 | 4.12 | 11.58 | 17.88 | 35.62 | 6.13 | |
| 12:00 | 8.79 | 11.31 | 13.97 | 21.15 | 31.42 | 0.23 | 1.25 | 10.82 | 0.21 | 2.87 | 8.77 | 13.17 | 44.70 | 6.21 | |
| 13:00 | 9.97 | 12.86 | 15.77 | 26.03 | 40.13 | 0.40 | 1.96 | 11.93 | 0.23 | 5.97 | 14.32 | 23.44 | 51.00 | 15.70 | |
| 14:00 | 11.89 | 14.27 | 16.78 | 22.39 | 30.75 | 0.22 | 1.39 | 6.07 | 0.20 | 3.69 | 9.31 | 14.94 | 66.93 | 41.97 | |
| 15:00 | 9.78 | 11.96 | 14.24 | 19.73 | 29.23 | 0.17 | 0.98 | 4.96 | 0.19 | 0.89 | 3.92 | 5.27 | 77.28 | 24.24 | |
| 16:00 | 8.60 | 10.94 | 13.49 | 19.76 | 29.98 | 0.28 | 0.97 | 4.78 | 0.20 | 2.96 | 5.85 | 10.38 | 67.38 | 10.00 | |
| 17:00 | 8.49 | 10.82 | 13.36 | 18.89 | 27.13 | 0.17 | 0.90 | 5.31 | 0.19 | 1.73 | 6.19 | 8.83 | 80.89 | 8.60 | |
| 18:00 | 6.11 | 8.46 | 11.24 | 14.86 | 19.32 | 0.12 | 0.70 | 5.76 | 0.18 | 0.86 | 2.41 | 3.70 | 91.10 | 6.66 | |
| 19:00 | 6.42 | 9.12 | 12.27 | 16.83 | 21.91 | 0.17 | 0.95 | 5.87 | 0.18 | 0.53 | 1.37 | 2.18 | 86.53 | 6.39 | |
| 20:00 | 6.44 | 9.21 | 12.27 | 18.76 | 28.43 | 0.21 | 1.01 | 5.79 | 0.19 | 0.58 | 2.38 | 3.25 | 80.78 | 6.17 | |
| 21:00 | 9.41 | 12.25 | 15.46 | 21.25 | 31.43 | 0.44 | 1.37 | 8.94 | 0.21 | 0.62 | 3.63 | 4.56 | 81.73 | 6.33 | |
| 22:00 | 9.80 | 13.56 | 17.67 | 27.69 | 43.62 | 0.44 | 2.10 | 8.96 | 0.25 | 1.89 | 10.82 | 13.71 | 60.14 | 6.40 | |
| 23:00 | 9.23 | 12.57 | 16.36 | 23.39 | 33.31 | 0.44 | 1.83 | 9.23 | 0.23 | 2.58 | 9.67 | 13.61 | 41.24 | 6.32 | |
| 24:00 | 9.25 | 12.37 | 15.73 | 22.03 | 30.61 | 0.48 | 1.67 | 9.64 | 0.25 | 2.02 | 9.03 | 12.12 | 34.29 | 6.17 | |
| Min | 4.95 | 6.75 | 8.73 | 12.40 | 17.64 | 0.12 | 0.70 | 4.78 | 0.18 | 0.53 | 1.37 | 2.18 | 15.06 | 5.74 | |
| Max | 11.89 | 14.27 | 17.67 | 33.89 | 60.32 | 0.70 | 2.26 | 12.01 | 0.48 | 17.08 | 22.76 | 48.85 | 91.10 | 41.97 | |
| Medie | 7.95 | 10.58 | 13.43 | 20.49 | 30.65 | 0.32 | 1.42 | 9.06 | 0.24 | 2.91 | 8.37 | 12.81 | 52.20 | 9.01 | |

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) | 3 |

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