

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

19 AUGUST 2020



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Amplasament: LANCRAM str. Veche nr. 121

Valori medii orare

| Time | PM1 | PM2.5 | PM4 | PM10 | PMtot | Benzen | Toluen | Etil-benzen | CO | NO | NO2 | NOx | O3 | SO2 | Formald ehida |
|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|--------------|--------------|--------------|------------------|
| 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 | 6.96 | 7.89 | 8.92 | 10.54 | 12.15 | 0.45 | 1.37 | 21.73 | 0.22 | 3.45 | 26.27 | 31.54 | 9.94 | 9.47 | < 0.001 |
| 2:00 | 7.37 | 8.35 | 9.50 | 11.42 | 13.14 | 0.59 | 0.97 | 20.28 | 0.22 | 2.39 | 16.17 | 19.84 | 37.55 | 9.69 | |
| 3:00 | 7.86 | 8.81 | 9.79 | 12.24 | 14.85 | 0.74 | 0.87 | 18.32 | 0.22 | 1.91 | 9.87 | 12.79 | 54.38 | 11.11 | |
| 4:00 | 7.59 | 8.34 | 9.19 | 10.22 | 11.15 | 1.26 | 0.91 | 18.93 | 0.22 | 1.80 | 7.91 | 10.65 | 57.88 | 11.33 | |
| 5:00 | 7.12 | 7.94 | 8.91 | 10.20 | 12.13 | n/a | 0.74 | 19.82 | 0.21 | 1.77 | 5.99 | 8.69 | 59.45 | 10.25 | |
| 6:00 | 7.10 | 8.10 | 9.26 | 10.73 | 12.13 | 1.25 | 0.72 | 18.83 | 0.21 | 1.98 | 8.70 | 11.73 | 56.48 | 9.81 | |
| 7:00 | 6.51 | 7.20 | 8.00 | 8.87 | 9.53 | n/a | 0.78 | 17.90 | 0.21 | 2.37 | 13.43 | 17.05 | 51.24 | 9.84 | |
| 8:00 | 4.69 | 5.14 | 5.60 | 6.60 | 8.20 | 0.74 | 0.78 | 19.57 | 0.22 | 2.74 | 11.99 | 16.17 | 46.90 | 10.18 | |
| 9:00 | 3.34 | 3.81 | 4.34 | 5.51 | 6.99 | n/a | 0.61 | 19.18 | 0.21 | 2.89 | 12.84 | 17.26 | 53.29 | 12.30 | |
| 10:00 | 5.02 | 5.91 | 6.95 | 9.44 | 12.34 | 1.11 | 0.77 | 17.16 | 0.22 | 3.07 | 12.17 | 16.87 | 44.54 | 10.78 | |
| 11:00 | 5.65 | 6.57 | 7.71 | 10.00 | 12.88 | 1.19 | 0.77 | 17.61 | 0.22 | 3.22 | 13.46 | 18.38 | 44.30 | 10.30 | |
| 12:00 | 5.56 | 6.41 | 7.46 | 9.75 | 14.00 | n/a | 0.67 | 17.45 | 0.22 | 3.52 | 11.63 | 17.01 | 50.16 | 10.36 | |
| 13:00 | 4.44 | 5.03 | 5.70 | 7.48 | 10.32 | 1.04 | 1.05 | 18.53 | 0.22 | 3.20 | 10.78 | 15.67 | 55.48 | 10.28 | |
| 14:00 | 3.22 | 3.89 | 4.81 | 6.27 | 9.12 | 0.52 | 0.86 | 19.28 | 0.21 | 3.19 | 8.55 | 13.42 | 60.51 | 9.95 | |
| 15:00 | 3.30 | 3.86 | 4.54 | 6.09 | 8.91 | n/a | 0.71 | 17.38 | 0.21 | 3.55 | 9.15 | 14.57 | 62.95 | 11.65 | |
| 16:00 | 3.00 | 3.47 | 4.01 | 5.24 | 7.15 | n/a | 0.88 | 22.15 | 0.21 | 2.99 | 9.16 | 13.72 | 65.33 | 11.84 | |
| 17:00 | 3.86 | 4.46 | 5.13 | 6.53 | 8.44 | 1.12 | 0.64 | 16.90 | 0.22 | 3.92 | 14.00 | 19.99 | 57.14 | 12.55 | |
| 18:00 | 3.12 | 3.79 | 4.52 | 6.44 | 8.16 | n/a | 0.70 | 15.82 | 0.21 | 3.67 | 14.91 | 20.52 | 48.46 | 11.32 | |
| 19:00 | 1.78 | 2.32 | 2.99 | 4.38 | 6.19 | n/a | 0.71 | 15.84 | 0.21 | 3.00 | 13.81 | 18.39 | 47.19 | 10.26 | |
| 20:00 | 2.23 | 3.05 | 4.13 | 5.31 | 6.28 | 0.74 | 0.81 | 16.41 | 0.22 | 4.07 | 22.68 | 28.89 | 28.01 | 9.87 | |
| 21:00 | 3.82 | 4.97 | 6.45 | 8.94 | 11.49 | 0.26 | 1.25 | 15.93 | 0.28 | 3.85 | 30.09 | 35.97 | 17.94 | 9.70 | |
| 22:00 | 4.67 | 5.92 | 7.41 | 10.91 | 16.52 | 0.89 | 1.43 | 16.65 | 0.24 | 3.24 | 23.53 | 28.49 | 18.45 | 9.58 | |
| 23:00 | 4.75 | 6.16 | 8.08 | 11.95 | 16.50 | 1.11 | n/a | n/a | 0.22 | 2.61 | 12.95 | 16.94 | 42.16 | 10.28 | |
| 24:00 | 4.87 | 6.09 | 7.82 | 10.34 | 12.33 | 0.45 | 0.81 | 17.88 | 0.23 | 2.89 | 15.91 | 20.32 | 40.40 | 11.33 | |
| Min | 1.78 | 2.32 | 2.99 | 4.38 | 6.19 | 0.26 | 0.61 | 15.82 | 0.21 | 1.77 | 5.99 | 8.69 | 9.94 | 9.47 | |
| Max | 7.86 | 8.81 | 9.79 | 12.24 | 16.52 | 1.26 | 1.43 | 22.15 | 0.28 | 4.07 | 30.09 | 35.97 | 65.33 | 12.55 | |
| Medie | 4.91 | 5.73 | 6.72 | 8.56 | 10.87 | 0.84 | 0.86 | 18.24 | 0.22 | 2.97 | 14.00 | 18.54 | 46.26 | 10.58 | |

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) | 2 |
| Pulberi in suspensie (PM10) | 1 |

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

| | |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

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 |