

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBEŞ

15 IULIE 2020



DATE CALITATE AER MUNICIPIUL SEBEŞ -

SISTEM PROPRIU DE MĂSURARE - Amplasament: Lancrăm 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 | 10.08 | 13.10 | 16.00 | 26.31 | 40.42 | 0.93 | 10.17 | 11.51 | 0.27 | 2.59 | 30.39 | 34.34 | 8.32 | 7.68 | 0.001 |
| 2:00 | 8.10 | 10.54 | 13.02 | 19.62 | 26.90 | 0.61 | 11.28 | 11.17 | 0.21 | 6.61 | 33.01 | 43.11 | 2.15 | 7.65 | |
| 3:00 | 6.99 | 9.04 | 11.02 | 14.52 | 18.34 | 0.41 | 19.64 | 10.98 | 0.19 | 2.71 | 25.54 | 29.67 | 5.01 | 7.53 | |
| 4:00 | 6.36 | 8.40 | 9.88 | 18.35 | 33.28 | 0.35 | 7.67 | 10.76 | 0.18 | 10.26 | 28.10 | 43.78 | sld | 7.62 | |
| 5:00 | 5.51 | 6.65 | 7.72 | 11.26 | 16.27 | 0.28 | 3.38 | 10.38 | 0.18 | 15.70 | 26.87 | 50.87 | sld | 7.76 | |
| 6:00 | 6.42 | 7.82 | 9.17 | 12.83 | 18.72 | 0.36 | 2.98 | 10.44 | 0.19 | 11.83 | 25.53 | 43.62 | sld | 7.86 | |
| 7:00 | 6.90 | 8.47 | 10.04 | 14.19 | 18.92 | 0.55 | 3.48 | 10.58 | 0.21 | 26.12 | 21.04 | 60.95 | sld | 8.57 | |
| 8:00 | 7.66 | 9.73 | 11.68 | 19.22 | 30.61 | 0.40 | 2.62 | 9.46 | 0.20 | 22.02 | 19.66 | 53.29 | 4.29 | 8.06 | |
| 9:00 | 7.16 | 9.61 | 11.73 | 23.33 | 38.74 | 0.29 | 2.06 | 9.17 | 0.19 | 9.92 | 15.11 | 30.26 | 18.18 | 7.77 | |
| 10:00 | 5.57 | 7.57 | 9.46 | 18.86 | 30.66 | 0.22 | 1.99 | 10.06 | 0.18 | 3.18 | 5.54 | 10.40 | 38.46 | 7.72 | |
| 11:00 | 5.11 | 6.85 | 8.37 | 16.95 | 29.15 | 0.22 | 3.88 | 10.28 | 0.18 | 1.77 | 2.90 | 5.61 | 51.84 | 7.84 | |
| 12:00 | 5.55 | 7.18 | 8.76 | 15.77 | 26.04 | 0.19 | 1.80 | 9.98 | 0.18 | 1.65 | 2.70 | 5.20 | 67.33 | 9.09 | |
| 13:00 | 5.69 | 7.33 | 8.86 | 16.13 | 27.22 | 0.21 | 1.67 | 11.29 | 0.18 | 1.49 | 2.13 | 4.38 | 79.11 | 9.82 | |
| 14:00 | 5.83 | 7.38 | 8.61 | 17.63 | 33.65 | 0.16 | 1.62 | 11.79 | 0.18 | 1.82 | 4.06 | 6.83 | 85.90 | 9.10 | |
| 15:00 | 5.79 | 7.06 | 8.14 | 14.96 | 25.72 | 0.34 | 2.42 | 14.33 | 0.18 | 2.10 | 4.99 | 8.19 | 83.17 | 8.46 | |
| 16:00 | 6.32 | 7.87 | 9.42 | 17.10 | 29.18 | 0.20 | 2.11 | 15.39 | 0.18 | 2.17 | 6.44 | 9.75 | 82.76 | 8.45 | |
| 17:00 | 6.94 | 9.43 | 11.52 | 26.36 | 46.86 | 0.25 | 10.70 | 15.49 | 0.19 | 2.51 | 8.47 | 12.31 | 76.05 | 8.41 | |
| 18:00 | 6.35 | 10.68 | 14.50 | 41.98 | 85.47 | 0.20 | 3.41 | 14.29 | 0.18 | 2.54 | 9.18 | 13.05 | 69.74 | 8.26 | |
| 19:00 | 8.21 | 11.48 | 14.31 | 33.99 | 63.82 | 0.28 | 1.99 | 13.03 | 0.20 | 2.37 | 14.35 | 17.96 | 63.65 | 9.69 | |
| 20:00 | 12.52 | 15.58 | 18.26 | 32.35 | 52.70 | 0.51 | 3.57 | 13.06 | 0.26 | 3.06 | 26.94 | 31.60 | 42.74 | 9.11 | |
| 21:00 | 14.39 | 18.07 | 21.10 | 40.32 | 68.00 | 0.49 | 3.01 | 13.39 | 0.25 | 2.89 | 24.80 | 29.21 | 38.75 | 8.98 | |
| 22:00 | 13.06 | 16.67 | 19.99 | 36.05 | 57.71 | 0.68 | n/a | n/a | 0.24 | 1.89 | 17.59 | 20.47 | 35.12 | 8.56 | |
| 23:00 | 11.00 | 15.68 | 19.30 | 48.22 | 94.46 | 0.49 | 4.22 | 13.33 | 0.23 | 1.80 | 16.33 | 19.06 | 26.64 | 8.06 | |
| 24:00 | 11.53 | 14.78 | 17.71 | 30.83 | 48.03 | 0.51 | 5.34 | 13.83 | 0.24 | 5.05 | 27.51 | 35.22 | 12.40 | 7.95 | |
| Min | 5.11 | 6.65 | 7.72 | 11.26 | 16.27 | 0.16 | 1.62 | 9.17 | 0.18 | 1.49 | 2.13 | 4.38 | 2.15 | 7.53 | |
| Max | 14.39 | 18.07 | 21.10 | 48.22 | 94.46 | 0.93 | 19.64 | 15.49 | 0.27 | 26.12 | 33.01 | 60.95 | 85.90 | 9.82 | |
| Medie | 7.88 | 10.29 | 12.44 | 23.63 | 40.04 | 0.38 | 4.83 | 11.91 | 0.20 | 6.00 | 16.63 | 25.80 | 44.58 | 8.33 | |

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 |