

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES

26 SEPTEMBRIE 2020



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Amplasament: SEBES , str. Viilor nr. 8

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 | 21.86 | 27.56 | 33.48 | 52.13 | 73.83 | 1.10 | 3.18 | 25.62 | 0.40 | 3.32 | 42.15 | 47.22 | 13.47 | 4.38 | 0.002 |
| 2:00 | 23.48 | 29.33 | 34.87 | 52.80 | 74.79 | 1.18 | 3.03 | 25.48 | 0.41 | 2.26 | 21.64 | 25.09 | 24.13 | 4.23 | |
| 3:00 | 14.95 | 18.23 | 21.68 | 31.66 | 43.51 | 0.82 | 2.46 | 25.34 | 0.35 | 3.59 | 35.29 | 40.78 | 9.53 | 4.20 | |
| 4:00 | 14.47 | 16.97 | 19.53 | 27.00 | 35.35 | 0.47 | 2.12 | 24.54 | 0.32 | 3.85 | 28.57 | 34.44 | 12.86 | 4.32 | |
| 5:00 | 14.25 | 16.36 | 18.80 | 23.80 | 30.38 | 1.17 | 2.50 | 25.78 | 0.32 | 3.56 | 24.01 | 29.45 | 12.35 | 4.28 | |
| 6:00 | 27.89 | 30.44 | 32.96 | 37.86 | 44.26 | 0.82 | 3.01 | 25.97 | 0.34 | 2.39 | 12.98 | 16.62 | 17.63 | 4.21 | |
| 7:00 | 21.12 | 24.13 | 27.09 | 32.88 | 39.04 | 0.86 | 5.28 | 24.82 | 0.33 | 2.44 | 17.04 | 20.77 | 19.09 | 4.34 | |
| 8:00 | 19.11 | 21.70 | 24.35 | 29.50 | 35.48 | 0.67 | 2.79 | 24.10 | 0.35 | 3.58 | 17.50 | 22.97 | 16.43 | 4.51 | |
| 9:00 | 19.95 | 22.34 | 24.97 | 30.44 | 36.92 | 0.61 | 2.60 | 24.67 | 0.36 | 5.16 | 24.16 | 32.04 | 15.38 | 4.64 | |
| 10:00 | 23.43 | 26.50 | 29.80 | 37.56 | 48.74 | 0.99 | 4.48 | 25.62 | 0.41 | 9.95 | 32.25 | 47.46 | 16.15 | 5.20 | |
| 11:00 | 23.02 | 27.42 | 32.07 | 42.69 | 58.98 | 1.08 | 5.71 | 23.81 | 0.40 | 6.21 | 19.96 | 29.45 | 24.76 | 5.35 | |
| 12:00 | 21.90 | 24.63 | 27.49 | 35.42 | 46.06 | 0.79 | 2.71 | 24.13 | 0.35 | 4.09 | 15.45 | 21.68 | 34.96 | 5.63 | |
| 13:00 | 18.81 | 21.53 | 24.27 | 32.16 | 43.13 | 0.71 | 2.88 | 29.86 | 0.37 | 4.21 | 20.21 | 26.65 | 34.84 | 5.47 | |
| 14:00 | 24.28 | 27.85 | 31.00 | 40.87 | 56.10 | 1.06 | 4.09 | 27.96 | 0.41 | 4.80 | 26.94 | 34.27 | 30.64 | 5.67 | |
| 15:00 | 13.07 | 15.98 | 19.02 | 28.87 | 43.31 | 0.32 | 1.40 | 25.74 | 0.36 | 3.32 | 12.96 | 18.03 | 38.35 | 5.20 | |
| 16:00 | 4.91 | 5.76 | 6.53 | 9.99 | 14.98 | 0.69 | 1.32 | 24.15 | 0.34 | 2.24 | 4.26 | 7.67 | 48.20 | 4.66 | |
| 17:00 | 2.36 | 3.39 | 4.35 | 6.41 | 9.67 | 0.36 | 1.50 | 23.82 | 0.30 | 2.07 | 4.74 | 7.89 | 48.13 | 4.43 | |
| 18:00 | 2.48 | 3.17 | 3.77 | 5.00 | 6.47 | 0.36 | 1.35 | 22.96 | 0.32 | 2.16 | 8.83 | 12.12 | 45.05 | 4.30 | |
| 19:00 | 4.03 | 4.89 | 5.68 | 6.97 | 8.40 | 0.42 | 1.22 | 24.13 | 0.34 | 2.50 | 15.99 | 19.81 | 32.06 | 4.27 | |
| 20:00 | 6.98 | 7.86 | 8.64 | 9.73 | 11.07 | 1.34 | n/a | n/a | 0.39 | 2.38 | 18.85 | 22.48 | 24.34 | 4.24 | |
| 21:00 | 6.20 | 7.10 | 7.88 | 9.72 | 11.90 | 0.46 | 1.18 | 21.62 | 0.36 | 2.22 | 15.10 | 18.48 | 27.42 | 4.34 | |
| 22:00 | 4.85 | 5.58 | 6.30 | 7.63 | 10.13 | 0.50 | 1.11 | 21.39 | 0.32 | 1.81 | 7.69 | 10.45 | 32.90 | 4.20 | |
| 23:00 | 5.78 | 6.51 | 7.30 | 8.14 | 8.85 | 0.51 | 1.44 | 21.76 | 0.34 | 2.31 | 9.85 | 13.37 | 30.48 | 4.28 | |
| 24:00 | 3.40 | 4.15 | 4.86 | 6.91 | 12.84 | 0.19 | 0.80 | 21.12 | 0.29 | 1.91 | 3.72 | 6.64 | 46.40 | 4.21 | |
| Min | 2.36 | 3.17 | 3.77 | 5.00 | 6.47 | 0.19 | 0.80 | 21.12 | 0.29 | 1.81 | 3.72 | 6.64 | 9.53 | 4.20 | |
| Max | 27.89 | 30.44 | 34.87 | 52.80 | 74.79 | 1.34 | 5.71 | 29.86 | 0.41 | 9.95 | 42.15 | 47.46 | 48.20 | 5.67 | |
| Medie | 14.27 | 16.64 | 19.03 | 25.26 | 33.51 | 0.73 | 2.53 | 24.54 | 0.35 | 3.43 | 18.34 | 23.58 | 27.31 | 4.61 | |

Indice privind calitatea aerului in Municipiul Sebes - Ordin 1095/2007

| | |
|--|---|
| Monoxid de Carbon (CO) | 1 |
| Dioxid de azot (NO ₂) | 1 |
| Dioxid de sulf (SO ₂) | 1 |
| Ozon (O ₃) | 2 |
| Pulberi in suspensie (PM ₁₀) | 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 - (O ₃) | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO ₂) | 200 µg/mc limita orara ; 40 µg/mc limita anuala | Legea 104/2011 |
| Dioxid de sulf - (SO ₂) | 350 µg/mc limita orara ; 125 µg/mc limita zilnica | Legea 104/2011 |
| Pulberi in suspensie (PM ₁₀) | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ; | Legea 104/2011 |
| Pulberi in suspensie (PM _{2.5}) | 20 µg/mc limita anuala | Legea 104/2011 |
| Benzen - (C ₆ H ₆) | 5 µg/mc limita anuala | Legea 104/2011 |
| Formaldehida - (CHOH) | 0.012 mg/mc media la 24 h | STAS 12574/87 |