

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
14 IULIE 2022**



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE -Kogalniceanu, nr.114

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/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 | 6.56 | 9.05 | 11.65 | 21.08 | 34.05 | 0.47 | 2.88 | 5.66 | 0.27 | 8.41 | 66.22 | 79.06 | 9.63 | 4.15 | 0.006 |
| 2:00 | 4.76 | 6.43 | 8.25 | 13.96 | 21.85 | 0.26 | n/a | n/a | 0.21 | 16.65 | 72.75 | 98.18 | 4.05 | 3.95 | |
| 3:00 | 4.44 | 5.95 | 7.55 | 13.17 | 21.66 | 0.27 | 1.58 | 3.85 | 0.20 | 4.35 | 57.42 | 64.06 | 7.87 | 3.83 | |
| 4:00 | 4.55 | 5.98 | 7.49 | 12.38 | 18.08 | 0.25 | 1.56 | 3.70 | 0.18 | 4.80 | 50.72 | 58.05 | 6.23 | 3.77 | |
| 5:00 | 4.53 | 5.93 | 7.38 | 12.52 | 19.19 | 0.26 | 1.95 | 3.51 | 0.19 | 9.32 | 47.17 | 61.40 | 5.81 | 3.75 | |
| 6:00 | 4.34 | 5.51 | 6.89 | 10.25 | 14.26 | 0.20 | 1.39 | 3.37 | 0.18 | 13.32 | 44.30 | 64.65 | 3.77 | 3.81 | |
| 7:00 | 5.44 | 7.83 | 10.58 | 18.87 | 30.33 | 0.55 | 2.24 | 3.32 | 0.25 | 24.49 | 46.52 | 83.94 | 6.04 | 4.06 | |
| 8:00 | 5.13 | 7.09 | 9.05 | 17.02 | 28.22 | 0.24 | 1.21 | 2.71 | 0.21 | 24.86 | 50.21 | 88.18 | 10.28 | 4.05 | |
| 9:00 | 8.31 | 10.99 | 13.54 | 24.95 | 42.77 | 0.29 | 1.81 | 2.99 | 0.25 | 19.74 | 49.42 | 79.58 | 24.71 | 4.06 | |
| 10:00 | 7.08 | 10.10 | 12.68 | 27.86 | 54.94 | 0.11 | 1.60 | 2.94 | 0.19 | 5.57 | 28.19 | 36.70 | 57.89 | 3.90 | |
| 11:00 | 2.15 | 3.86 | 5.38 | 15.53 | 31.47 | 0.13 | 1.00 | 2.94 | 0.17 | 1.60 | 6.97 | 9.42 | 90.16 | 3.86 | |
| 12:00 | 2.31 | 4.13 | 5.96 | 15.61 | 30.64 | 0.10 | 8.30 | 4.23 | 0.17 | 1.67 | 7.13 | 9.68 | 98.14 | 3.99 | |
| 13:00 | 3.07 | 4.68 | 6.09 | 15.37 | 31.58 | 0.12 | 1.65 | 3.50 | 0.16 | 1.36 | 5.52 | 7.62 | 101.21 | 4.02 | |
| 14:00 | 2.91 | 4.32 | 5.57 | 13.52 | 26.46 | 0.13 | 2.23 | 3.56 | 0.16 | 1.39 | 5.75 | 7.89 | 101.79 | 4.04 | |
| 15:00 | 1.85 | 2.97 | 3.93 | 10.54 | 21.79 | 0.09 | 2.13 | 4.04 | 0.16 | 1.32 | 6.28 | 8.30 | 102.49 | 4.00 | |
| 16:00 | 1.64 | 2.57 | 3.50 | 8.48 | 16.26 | 0.11 | 0.93 | 4.08 | 0.15 | 1.41 | 5.36 | 7.52 | 100.68 | 3.85 | |
| 17:00 | 1.78 | 2.70 | 3.43 | 8.89 | 17.89 | 0.16 | 1.03 | 4.39 | 0.16 | 1.35 | 5.62 | 7.70 | 100.67 | 3.85 | |
| 18:00 | 2.03 | 3.07 | 4.07 | 9.67 | 19.67 | 0.13 | 0.68 | 5.75 | 0.16 | 1.20 | 4.74 | 6.57 | 100.90 | 4.21 | |
| 19:00 | 2.33 | 3.36 | 4.40 | 9.50 | 18.70 | 0.14 | 0.76 | 6.09 | 0.17 | 1.22 | 5.48 | 7.35 | 103.33 | 5.11 | |
| 20:00 | 2.82 | 4.08 | 5.26 | 11.77 | 22.94 | 0.15 | 0.83 | 5.84 | 0.17 | 1.16 | 6.86 | 8.62 | 107.35 | 5.21 | |
| 21:00 | 2.94 | 4.54 | 5.93 | 15.06 | 28.11 | 0.16 | 0.83 | 5.66 | 0.18 | 1.15 | 11.06 | 12.82 | 102.27 | 5.40 | |
| 22:00 | 3.38 | 5.10 | 6.83 | 15.97 | 30.92 | 0.23 | 1.09 | 4.39 | 0.20 | 1.15 | 17.63 | 19.40 | 83.53 | 4.91 | |
| 23:00 | 5.52 | 8.38 | 11.02 | 26.97 | 49.69 | 0.54 | 4.58 | 5.87 | 0.28 | 1.71 | 44.89 | 47.50 | 43.43 | 4.38 | |
| 24:00 | 5.00 | 7.46 | 9.92 | 22.05 | 38.67 | 0.41 | 2.74 | 6.39 | 0.24 | 4.23 | 41.30 | 47.76 | 46.02 | 4.25 | |
| Min | 1.64 | 2.57 | 3.43 | 8.48 | 14.26 | 0.09 | 0.68 | 2.71 | 0.15 | 1.15 | 4.74 | 6.57 | 3.77 | 3.75 | |
| Max | 8.31 | 10.99 | 13.54 | 27.86 | 54.94 | 0.55 | 8.30 | 6.39 | 0.28 | 24.86 | 72.75 | 98.18 | 107.35 | 5.40 | |
| Medie | 3.95 | 5.67 | 7.35 | 15.46 | 27.92 | 0.23 | 1.96 | 4.29 | 0.19 | 6.39 | 28.65 | 38.41 | 59.09 | 4.18 | |

Indice specific privind calitatea aerului in Municipiul Sebes - ORDIN 1818/2020

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 1 |
| Dioxid de azot (NO2) | 2 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 3 |
| Particule in suspensie (PM10) | 1 |

| | |
|---|---------------|
| 1 | Bun |
| 2 | Acceptabil |
| 3 | Moderat |
| 4 | Rau |
| 5 | Foarte rau |
| 6 | Extrem de rau |

| | |
|-----------------------|---|
| Indice zilnic general | 3 |
|-----------------------|---|

*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 |