

RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
28 AUGUST 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/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 | 11,87 | 16,40 | 21,89 | 33,48 | 45,88 | n/a | n/a | n/a | 0,25 | 7,96 | 47,72 | 59,88 | 31,24 | 4,81 | 0,005 |
| 2:00 | 9,19 | 13,36 | 18,16 | 32,10 | 53,84 | n/a | n/a | n/a | 0,19 | 10,35 | 54,18 | 69,98 | 10,53 | 4,63 | |
| 3:00 | 8,44 | 13,03 | 17,48 | 39,60 | 78,33 | n/a | n/a | n/a | 0,18 | 8,26 | 45,82 | 58,44 | 7,63 | 4,64 | |
| 4:00 | 8,41 | 12,20 | 16,20 | 30,57 | 55,15 | n/a | n/a | n/a | 0,17 | 6,97 | 39,03 | 49,68 | 7,92 | 4,60 | |
| 5:00 | 8,29 | 11,57 | 15,67 | 23,16 | 32,59 | n/a | n/a | n/a | 0,15 | 6,52 | 32,83 | 42,81 | 6,94 | 4,60 | |
| 6:00 | 7,86 | 10,99 | 14,94 | 22,19 | 29,90 | n/a | n/a | n/a | 0,14 | 9,59 | 35,63 | 50,28 | 3,85 | 4,60 | |
| 7:00 | 8,08 | 11,35 | 15,29 | 23,26 | 32,50 | n/a | n/a | n/a | 0,13 | 7,11 | 29,04 | 39,90 | 9,78 | 4,60 | |
| 8:00 | 8,32 | 12,10 | 16,90 | 26,34 | 38,54 | n/a | n/a | n/a | 0,13 | 10,10 | 26,33 | 41,77 | 12,08 | 4,63 | |
| 9:00 | 9,84 | 13,63 | 18,36 | 27,42 | 38,21 | n/a | n/a | n/a | 0,15 | 10,59 | 23,34 | 39,52 | 29,39 | 4,56 | |
| 10:00 | 11,19 | 15,63 | 20,89 | 33,72 | 50,91 | n/a | n/a | n/a | 0,17 | 11,27 | 28,48 | 45,70 | 50,49 | 4,63 | |
| 11:00 | 13,15 | 18,24 | 24,29 | 38,93 | 58,93 | n/a | n/a | n/a | 0,17 | 9,95 | 30,36 | 45,56 | 76,46 | 4,70 | |
| 12:00 | 14,43 | 19,38 | 25,14 | 39,12 | 58,43 | n/a | n/a | n/a | 0,17 | 6,64 | 20,52 | 30,67 | 118,88 | 4,70 | |
| 13:00 | 12,63 | 17,82 | 24,00 | 39,63 | 61,76 | n/a | n/a | n/a | 0,17 | 5,65 | 18,75 | 27,39 | 148,86 | 4,84 | |
| 14:00 | 7,83 | 12,69 | 18,77 | 33,27 | 51,99 | n/a | n/a | n/a | 0,15 | 4,24 | 3,77 | 10,26 | 176,81 | 5,30 | |
| 15:00 | 6,82 | 10,88 | 15,77 | 28,69 | 45,44 | n/a | n/a | n/a | 0,14 | 4,28 | 3,55 | 10,10 | 176,90 | 5,25 | |
| 16:00 | 6,11 | 9,56 | 13,89 | 23,43 | 33,90 | n/a | n/a | n/a | 0,13 | 4,17 | 2,48 | 8,85 | 175,27 | 5,08 | |
| 17:00 | 4,97 | 7,93 | 11,53 | 19,48 | 28,07 | n/a | n/a | n/a | 0,10 | 4,11 | 1,83 | 8,12 | 165,57 | 4,92 | |
| 18:00 | 5,92 | 9,18 | 13,03 | 23,09 | 34,85 | n/a | n/a | n/a | 0,12 | 4,18 | 3,53 | 9,91 | 166,94 | 5,17 | |
| 19:00 | 6,51 | 10,07 | 14,49 | 24,74 | 39,69 | n/a | n/a | n/a | 0,17 | 4,17 | 8,51 | 14,88 | 152,34 | 4,95 | |
| 20:00 | 7,73 | 11,16 | 15,31 | 24,34 | 35,15 | n/a | n/a | n/a | 0,18 | 4,10 | 12,58 | 18,85 | 138,47 | 4,91 | |
| 21:00 | 10,10 | 14,45 | 19,28 | 34,74 | 55,18 | n/a | n/a | n/a | 0,19 | 4,46 | 20,71 | 27,52 | 100,47 | 4,77 | |
| 22:00 | 9,83 | 13,75 | 18,39 | 29,58 | 43,25 | n/a | n/a | n/a | 0,18 | 4,31 | 17,32 | 23,91 | 96,60 | 4,76 | |
| 23:00 | 8,94 | 12,59 | 17,10 | 26,59 | 36,39 | n/a | n/a | n/a | 0,16 | 4,40 | 14,32 | 21,04 | 96,57 | 4,73 | |
| 24:00 | 9,86 | 13,63 | 18,46 | 27,85 | 38,87 | n/a | n/a | n/a | 0,17 | 4,49 | 22,14 | 29,00 | 70,28 | 4,66 | |
| Min | 4,97 | 7,93 | 11,53 | 19,48 | 28,07 | 0,00 | 0,00 | 0,00 | 0,10 | 4,10 | 1,83 | 8,12 | 3,85 | 4,56 | |
| Max | 14,43 | 19,38 | 25,14 | 39,63 | 78,33 | 0,00 | 0,00 | 0,00 | 0,25 | 11,27 | 54,18 | 69,98 | 176,90 | 5,30 | |
| Medie | 9,01 | 12,98 | 17,72 | 29,39 | 44,91 | #DIV/0! | #DIV/0! | #DIV/0! | 0,16 | 6,58 | 22,62 | 32,67 | 84,59 | 4,79 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 2 |
| Dioxid de azot (NO2) | 2 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 4 |
| Particule in suspensie (PM10) | 2 |

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

| | |
|-----------------------|---|
| Indice zilnic general | 4 |
|-----------------------|---|

*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 |

*n/a lipsă gaz purtător