

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
16 OCTOMBRIE 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 | 30,31 | 32,95 | 35,27 | 40,48 | 46,17 | 2,55 | 2,53 | 1,56 | 0,55 | 23,26 | 25,94 | 61,46 | 14,65 | 8,19 | 0,005 |
| 2:00 | 45,06 | 49,16 | 52,33 | 57,43 | 62,38 | 4,04 | 4,49 | 2,22 | 0,73 | 25,31 | 22,20 | 60,86 | 15,02 | 8,13 | |
| 3:00 | 26,15 | 28,60 | 30,68 | 34,90 | 39,57 | 2,23 | 2,58 | 1,51 | 0,48 | 16,71 | 19,53 | 45,07 | 14,47 | 7,94 | |
| 4:00 | 21,30 | 23,37 | 25,43 | 28,93 | 32,18 | 1,84 | 1,95 | 1,33 | 0,41 | 15,06 | 18,18 | 41,23 | 14,56 | 7,96 | |
| 5:00 | 19,16 | 21,07 | 22,92 | 26,25 | 29,67 | 1,58 | 1,75 | 1,23 | 0,34 | 10,11 | 16,55 | 32,01 | 14,73 | 7,87 | |
| 6:00 | 16,52 | 18,11 | 19,84 | 22,74 | 25,09 | 1,33 | 1,45 | 1,12 | 0,29 | 4,09 | 15,39 | 21,60 | 15,73 | 7,67 | |
| 7:00 | 16,20 | 17,88 | 19,51 | 22,41 | 24,99 | 1,44 | 2,07 | 1,32 | 0,29 | 10,66 | 13,47 | 29,75 | 14,79 | 7,84 | |
| 8:00 | 21,41 | 24,06 | 25,90 | 29,66 | 34,40 | 1,71 | 1,86 | 1,10 | 0,33 | 18,85 | 12,59 | 41,40 | 15,02 | 8,08 | |
| 9:00 | 17,36 | 19,41 | 21,36 | 25,61 | 32,13 | 1,49 | 1,48 | 1,00 | 0,29 | 17,36 | 10,83 | 37,36 | 16,14 | 8,04 | |
| 10:00 | 17,47 | 19,24 | 20,95 | 26,12 | 33,94 | 1,64 | 1,64 | 0,97 | 0,31 | 17,66 | 12,19 | 39,18 | 19,82 | 8,14 | |
| 11:00 | 20,84 | 23,44 | 25,48 | 35,10 | 53,08 | 1,60 | 1,73 | 0,88 | 0,30 | 14,93 | 14,06 | 36,89 | 25,72 | 8,05 | |
| 12:00 | 16,61 | 18,65 | 20,27 | 28,51 | 45,79 | 1,04 | 1,16 | 0,95 | 0,24 | 8,01 | 10,22 | 22,48 | 34,66 | 7,90 | |
| 13:00 | 15,09 | 16,78 | 18,16 | 26,41 | 43,36 | 0,97 | 0,99 | n/a | 0,22 | 3,42 | 7,64 | 12,88 | 47,84 | 7,92 | |
| 14:00 | 13,56 | 14,77 | 15,91 | 19,93 | 25,20 | 1,01 | 0,92 | 1,11 | 0,20 | 1,42 | 5,81 | 7,91 | 60,78 | 7,88 | |
| 15:00 | 11,97 | 13,31 | 14,64 | 18,98 | 23,95 | 0,75 | 0,75 | 1,07 | 0,18 | 0,53 | 4,40 | 5,20 | 72,33 | 7,96 | |
| 16:00 | 10,10 | 11,44 | 12,96 | 16,54 | 20,45 | 0,73 | 0,70 | 1,13 | 0,17 | 0,44 | 4,61 | 5,27 | 81,82 | 7,91 | |
| 17:00 | 8,76 | 9,91 | 11,15 | 14,62 | 18,39 | 0,61 | 0,60 | 1,22 | 0,16 | n/a | 3,57 | 3,52 | 85,91 | 7,94 | |
| 18:00 | 9,64 | 10,98 | 12,25 | 17,18 | 22,92 | 0,73 | 0,68 | 1,25 | 0,16 | n/a | 4,47 | 4,46 | 86,03 | 7,92 | |
| 19:00 | 17,14 | 19,42 | 21,67 | 30,02 | 41,31 | 1,16 | 1,99 | 1,48 | 0,28 | 1,72 | 38,00 | 40,64 | 50,09 | 8,18 | |
| 20:00 | 22,13 | 24,73 | 27,48 | 36,22 | 46,83 | 1,78 | 1,50 | 1,39 | 0,35 | 1,46 | 23,77 | 25,98 | 43,94 | 8,31 | |
| 21:00 | 36,65 | 39,55 | 42,32 | 50,57 | 59,97 | 4,49 | n/a | n/a | 0,63 | 4,25 | 36,37 | 42,88 | 27,69 | 8,14 | |
| 22:00 | 56,43 | 60,26 | 63,69 | 73,10 | 82,32 | 8,16 | 5,13 | 2,26 | 1,04 | 24,45 | 42,44 | 79,81 | 17,45 | 8,60 | |
| 23:00 | 63,74 | 67,54 | 70,81 | 80,41 | 91,06 | 8,80 | 5,32 | 2,21 | 1,21 | 49,63 | 38,15 | 114,00 | 15,67 | 9,00 | |
| 24:00 | 40,90 | 43,60 | 46,12 | 52,28 | 58,80 | 4,61 | 3,73 | 1,63 | 0,85 | 49,26 | 31,01 | 106,28 | 14,64 | 8,90 | |
| Min | 8,76 | 9,91 | 11,15 | 14,62 | 18,39 | 0,61 | 0,60 | 0,88 | 0,16 | 0,44 | 3,57 | 3,52 | 14,47 | 7,67 | |
| Max | 63,74 | 67,54 | 70,81 | 80,41 | 91,06 | 8,80 | 5,32 | 2,26 | 1,21 | 49,63 | 42,44 | 114,00 | 86,03 | 9,00 | |
| Medie | 23,94 | 26,18 | 28,21 | 33,93 | 41,41 | 2,35 | 2,04 | 1,36 | 0,42 | 14,48 | 17,97 | 38,26 | 34,15 | 8,10 | |

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

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

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

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

*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 |