

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
17 DECEMBRIE 2020**



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Kogalniceanu, nr. 114 A

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 | 26,31 | 27,44 | 28,16 | 29,51 | 31,15 | 1,47 | 1,40 | 0,97 | 0,78 | 2,63 | 14,10 | 18,11 | 15,49 | 10,21 | 0,002 |
| 2:00 | 25,27 | 26,50 | 27,23 | 28,46 | 29,98 | 1,05 | 1,29 | 0,88 | 0,78 | 4,10 | 15,32 | 21,58 | 12,54 | 10,04 | |
| 3:00 | 24,50 | 25,69 | 26,43 | 27,27 | 27,88 | 1,16 | 1,34 | 1,13 | 0,78 | 2,98 | 11,67 | 16,24 | 15,38 | 9,93 | |
| 4:00 | 26,76 | 27,98 | 28,69 | 29,94 | 31,51 | 1,05 | 1,15 | 0,88 | 0,78 | 3,37 | 12,31 | 17,45 | 16,10 | 9,81 | |
| 5:00 | 24,97 | 26,10 | 26,74 | 27,43 | 28,36 | 1,11 | 1,18 | 0,81 | 0,78 | 2,89 | 9,68 | 14,09 | 16,88 | 9,85 | |
| 6:00 | 23,25 | 24,43 | 25,09 | 26,06 | 27,77 | 1,25 | 1,49 | 0,99 | 0,79 | 3,48 | 10,50 | 15,81 | 15,06 | 9,87 | |
| 7:00 | 23,60 | 25,02 | 25,86 | 27,38 | 28,84 | 1,24 | 1,39 | 0,94 | 0,79 | 5,77 | 14,71 | 23,51 | 11,20 | 10,09 | |
| 8:00 | 31,86 | 34,01 | 35,33 | 38,82 | 44,12 | 1,56 | 1,53 | 1,03 | 0,80 | 6,42 | 20,86 | 30,68 | 6,79 | 10,20 | |
| 9:00 | 33,71 | 36,77 | 38,75 | 44,70 | 53,76 | 1,82 | 6,39 | 2,78 | 0,80 | 6,22 | 18,39 | 27,89 | 8,06 | 10,04 | |
| 10:00 | 33,49 | 36,11 | 37,68 | 41,10 | 46,55 | 2,08 | 2,04 | 1,13 | 0,80 | 6,10 | 18,42 | 27,74 | 9,36 | 10,30 | |
| 11:00 | 35,18 | 37,74 | 39,10 | 41,93 | 45,10 | 2,02 | 1,68 | 1,23 | 0,81 | 5,71 | 17,71 | 26,44 | 9,99 | 10,34 | |
| 12:00 | 28,53 | 30,54 | 31,51 | 33,14 | 34,85 | 1,34 | 1,42 | 0,87 | 0,80 | 5,88 | 14,27 | 23,25 | 13,24 | 10,09 | |
| 13:00 | 29,72 | 31,87 | 32,98 | 34,94 | 37,52 | 1,64 | 1,74 | 1,04 | 0,81 | 6,73 | 16,29 | 26,57 | 12,48 | 10,21 | |
| 14:00 | 36,03 | 39,39 | 41,65 | 47,61 | 56,80 | 1,69 | 3,27 | 1,72 | 0,81 | 6,84 | 20,92 | 31,39 | 10,17 | 9,90 | |
| 15:00 | 33,82 | 37,47 | 40,07 | 48,60 | 60,37 | 1,31 | 6,60 | 3,84 | 0,80 | 7,74 | 25,08 | 36,91 | 9,31 | 10,06 | |
| 16:00 | 34,27 | 42,17 | 48,44 | 85,94 | 149,25 | 1,32 | 2,66 | 1,87 | 0,82 | 8,77 | 29,29 | 42,68 | 6,83 | 10,21 | |
| 17:00 | 37,15 | 41,31 | 43,93 | 58,64 | 81,83 | 1,52 | 1,97 | 1,29 | 0,82 | 7,66 | 28,87 | 40,57 | 7,31 | 10,19 | |
| 18:00 | 34,75 | 37,03 | 38,22 | 40,88 | 43,94 | 2,16 | n/a | n/a | 0,83 | 7,46 | 27,35 | 38,75 | 7,78 | 10,31 | |
| 19:00 | 35,34 | 37,70 | 38,91 | 41,37 | 44,14 | 1,45 | 1,78 | 1,19 | 0,84 | 6,34 | 23,49 | 33,18 | 9,00 | 10,28 | |
| 20:00 | 35,36 | 38,71 | 40,54 | 44,63 | 50,86 | 1,28 | 1,84 | 1,24 | 0,81 | 5,46 | 26,74 | 35,09 | 7,80 | 10,26 | |
| 21:00 | 32,39 | 35,23 | 36,90 | 40,83 | 45,49 | 1,55 | 2,42 | 1,69 | 0,82 | 13,24 | 33,21 | 53,43 | 2,61 | 10,39 | |
| 22:00 | 38,04 | 40,97 | 42,62 | 45,42 | 49,32 | 2,57 | 2,52 | 1,31 | 0,83 | 12,23 | 32,67 | 51,36 | 2,75 | 10,49 | |
| 23:00 | 45,31 | 48,69 | 50,31 | 52,94 | 55,80 | 2,22 | 2,42 | 1,19 | 0,85 | 9,42 | 27,37 | 41,77 | 4,84 | 10,38 | |
| 24:00 | 32,84 | 35,66 | 37,03 | 39,89 | 43,21 | 1,35 | 1,69 | 1,07 | 0,84 | 5,33 | 19,13 | 27,27 | 8,23 | 10,23 | |
| Min | 23,25 | 24,43 | 25,09 | 26,06 | 27,77 | 1,05 | 1,15 | 0,81 | 0,78 | 2,63 | 9,68 | 14,09 | 2,61 | 9,81 | |
| Max | 45,31 | 48,69 | 50,31 | 85,94 | 149,25 | 2,57 | 6,60 | 3,84 | 0,85 | 13,24 | 33,21 | 53,43 | 16,88 | 10,49 | |
| Medie | 31,77 | 34,36 | 35,92 | 40,73 | 47,85 | 1,55 | 2,23 | 1,35 | 0,81 | 6,37 | 20,35 | 30,07 | 9,97 | 10,15 | |

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

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 4 |
| Dioxid de azot (NO2) | 1 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 1 |
| Particule in suspensie (PM10) | 3 |

| | |
|---|---------------|
| 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 |