

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
29 SEPTEMBRIE 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 | 18,12 | 20,65 | 23,14 | 28,46 | 34,10 | 1,59 | 2,53 | 2,95 | 0,35 | 19,79 | 24,82 | 55,08 | 18,62 | 7,45 | 0,004 |
| 2:00 | 16,98 | 19,28 | 21,49 | 27,83 | 35,85 | 2,23 | 3,01 | 2,61 | 0,46 | 65,28 | 27,20 | 126,93 | 17,42 | 8,08 | |
| 3:00 | 12,90 | 14,93 | 17,47 | 22,31 | 27,94 | 1,08 | 2,89 | 2,96 | 0,30 | 11,70 | 14,59 | 32,45 | 17,49 | 7,19 | |
| 4:00 | 13,54 | 15,67 | 18,11 | 23,36 | 28,26 | 1,21 | 2,13 | 2,50 | 0,27 | 33,21 | 18,50 | 69,24 | 16,88 | 7,52 | |
| 5:00 | 11,88 | 13,66 | 15,60 | 20,39 | 25,40 | 0,99 | 1,89 | 2,37 | 0,24 | 31,86 | 17,80 | 66,49 | 16,39 | 7,43 | |
| 6:00 | 11,59 | 13,39 | 15,47 | 20,23 | 24,66 | 1,12 | 1,72 | 2,26 | 0,36 | 23,37 | 17,93 | 53,66 | 16,52 | 7,43 | |
| 7:00 | 14,75 | 16,78 | 18,75 | 23,90 | 29,25 | 1,76 | 2,33 | 2,24 | 0,92 | 27,94 | 18,60 | 61,35 | 16,54 | 7,55 | |
| 8:00 | 14,24 | 16,93 | 19,88 | 28,26 | 38,46 | 1,27 | 2,08 | 2,24 | 0,58 | 44,44 | 20,26 | 88,21 | 16,87 | 7,76 | |
| 9:00 | 16,62 | 20,08 | 23,87 | 36,18 | 52,45 | 3,41 | 3,40 | 2,58 | 0,35 | 83,93 | 20,13 | 148,36 | 17,49 | 8,36 | |
| 10:00 | 12,77 | 15,12 | 17,63 | 25,64 | 35,25 | 1,30 | 5,03 | 2,55 | 0,21 | 25,45 | 18,12 | 57,02 | 24,31 | 7,47 | |
| 11:00 | 10,02 | 11,55 | 13,26 | 17,65 | 24,03 | 0,72 | 1,90 | 2,21 | 0,17 | 11,63 | 15,04 | 32,77 | 38,14 | 7,27 | |
| 12:00 | 10,27 | 11,96 | 13,94 | 18,46 | 23,47 | 0,43 | 1,95 | 2,22 | 0,16 | 7,27 | 14,92 | 25,98 | 44,69 | 7,23 | |
| 13:00 | 11,07 | 13,69 | 16,31 | 27,05 | 43,03 | 0,43 | 1,80 | 2,27 | 0,17 | 6,19 | 24,17 | 33,59 | 51,75 | 7,61 | |
| 14:00 | 19,87 | 24,75 | 29,48 | 50,10 | 81,34 | 0,46 | 4,25 | 3,80 | 0,18 | 6,44 | 42,58 | 52,41 | 47,35 | 8,88 | |
| 15:00 | 9,57 | 11,90 | 14,27 | 21,86 | 32,02 | 0,47 | 7,73 | 3,75 | 0,16 | 3,35 | 20,04 | 25,13 | 49,62 | 7,73 | |
| 16:00 | 7,82 | 9,87 | 12,09 | 16,90 | 22,65 | 0,42 | 1,60 | 3,36 | 0,15 | 2,24 | 13,40 | 16,76 | 62,14 | 7,64 | |
| 17:00 | 7,27 | 9,69 | 12,16 | 18,96 | 28,81 | 0,32 | 1,45 | 2,63 | 0,13 | 1,79 | 11,51 | 14,20 | 76,38 | 8,05 | |
| 18:00 | 6,73 | 8,77 | 10,76 | 16,15 | 23,18 | 0,35 | 1,36 | 2,59 | 0,14 | 0,98 | 8,92 | 10,42 | 80,29 | 8,08 | |
| 19:00 | 7,84 | 10,00 | 12,21 | 18,35 | 26,39 | 0,43 | 3,27 | 2,84 | 0,17 | 1,44 | 23,12 | 25,23 | 60,29 | 7,84 | |
| 20:00 | 13,91 | 16,90 | 20,04 | 28,69 | 40,20 | 1,94 | 4,03 | 3,41 | 0,36 | 3,55 | 42,24 | 47,60 | 32,99 | 7,64 | |
| 21:00 | 26,93 | 30,67 | 34,39 | 45,23 | 59,07 | 2,59 | 5,16 | 3,75 | 0,48 | 9,41 | 35,25 | 49,59 | 22,33 | 7,64 | |
| 22:00 | 34,55 | 38,19 | 41,68 | 51,73 | 63,30 | 3,89 | 4,85 | 3,61 | 0,56 | 22,61 | 30,25 | 64,76 | 18,41 | 7,81 | |
| 23:00 | 32,74 | 36,19 | 39,77 | 47,42 | 56,28 | 3,53 | n/a | n/a | 0,64 | 45,79 | 30,81 | 100,76 | 17,59 | 7,95 | |
| 24:00 | 25,91 | 28,87 | 31,96 | 38,81 | 46,27 | 3,51 | 4,47 | 3,49 | 0,47 | 35,37 | 27,42 | 81,48 | 18,04 | 7,83 | |
| Min | 6,73 | 8,77 | 10,76 | 16,15 | 22,65 | 0,32 | 1,36 | 2,21 | 0,13 | 0,98 | 8,92 | 10,42 | 16,39 | 7,19 | |
| Max | 34,55 | 38,19 | 41,68 | 51,73 | 81,34 | 3,89 | 7,73 | 3,80 | 0,92 | 83,93 | 42,58 | 148,36 | 80,29 | 8,88 | |
| Medie | 15,33 | 17,90 | 20,57 | 28,08 | 37,57 | 1,48 | 3,08 | 2,83 | 0,33 | 21,88 | 22,40 | 55,81 | 33,27 | 7,73 | |

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) | 2 |
| Particule in suspensie (PM10) | 2 |

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

| | |
|-----------------------|---|
| Indice zilnic general | 2 |
|-----------------------|---|

*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 |