

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES**  
**09 APRILIE 2025**



**DATE CALITATE AER MUNICIPIUL SEBES -**

**SISTEM PROPRIU DE MASURARE -Municipiul Sebeș**

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	28.79	30.68	31.96	37.41	46.38	1.37	0.85	0.20	0.47	0.70	18.91	19.12	38.33	11.33	N/A
2:00	22.99	24.43	25.64	29.74	35.67	1.20	0.90	0.23	0.46	0.57	18.11	18.21	35.56	11.19	
3:00	19.13	20.42	21.40	24.72	28.58	0.93	0.62	0.19	0.38	0.55	15.17	15.37	40.54	11.00	
4:00	13.67	14.75	15.74	18.33	21.77	0.70	0.51	0.14	0.30	0.46	12.70	12.76	40.51	10.90	
5:00	12.50	13.50	14.29	16.64	19.91	0.73	0.40	0.14	0.28	0.55	17.28	17.31	38.58	10.84	
6:00	22.21	24.60	26.97	33.60	43.79	3.06	1.74	0.37	0.54	18.21	41.01	59.22	15.39	10.99	
7:00	48.90	53.75	58.24	73.25	94.88	6.48	3.78	0.67	0.84	73.93	57.36	131.28	7.73	11.58	
8:00	26.16	29.93	33.31	47.03	66.27	1.92	1.06	0.27	0.37	17.74	31.95	49.69	28.23	11.37	
9:00	16.14	18.93	21.50	33.96	51.20	1.37	0.70	0.17	0.30	4.66	18.00	22.63	56.41	11.38	
10:00	7.82	9.47	10.93	18.85	35.50	0.57	0.47	0.15	0.21	5.38	10.23	15.65	69.68	11.22	
11:00	4.87	6.42	7.75	15.27	28.41	0.49	0.28	0.12	0.18	6.45	11.34	17.78	73.74	11.44	
12:00	5.15	7.70	9.30	28.28	66.08	0.59	0.31	0.14	0.19	5.66	9.98	15.59	74.79	11.47	
13:00	5.03	6.26	7.43	11.78	19.06	0.40	0.26	0.12	0.18	4.21	9.94	14.09	76.90	11.67	
14:00	4.82	6.00	7.17	11.08	18.15	0.39	0.24	0.14	0.18	3.43	9.05	12.44	78.57	11.65	
15:00	4.88	6.16	7.24	12.80	21.98	0.40	0.26	0.18	0.19	4.78	12.11	16.82	77.62	11.81	
16:00	5.44	6.73	7.89	12.58	20.96	0.45	0.35	0.19	0.21	3.87	15.60	19.40	76.27	11.86	
17:00	6.82	8.21	9.37	15.21	24.59	0.56	0.34	0.20	0.22	2.06	10.91	12.91	79.23	11.89	
18:00	13.39	15.52	17.19	26.51	42.41	5.21	1.31	0.28	0.30	0.98	11.35	12.28	75.54	12.24	
19:00	24.28	26.65	28.46	37.56	52.54	2.51	n/a	n/a	0.37	0.91	16.43	17.13	69.24	11.97	
20:00	35.70	38.58	40.94	53.53	70.02	2.58	1.22	0.35	0.95	8.27	42.82	51.07	41.07	12.34	
21:00	72.86	77.39	80.12	93.16	111.53	8.70	4.20	0.59	1.86	5.11	38.37	43.45	34.02	12.07	
22:00	78.42	81.68	83.92	93.03	105.45	24.04	5.61	0.85	1.81	3.24	36.76	39.95	31.14	11.79	
23:00	28.30	30.77	32.68	36.62	41.47	2.60	1.12	0.32	0.64	1.52	17.95	19.27	50.96	11.29	
24:00	19.64	21.38	22.66	26.49	32.52	1.53	0.69	0.23	0.48	1.08	13.43	14.11	57.41	11.28	
<b>Min</b>	<b>4.82</b>	<b>6.00</b>	<b>7.17</b>	<b>11.08</b>	<b>18.15</b>	<b>0.39</b>	<b>0.24</b>	<b>0.12</b>	<b>0.18</b>	<b>0.46</b>	<b>9.05</b>	<b>12.28</b>	<b>7.73</b>	<b>10.84</b>	
<b>Max</b>	<b>78.42</b>	<b>81.68</b>	<b>83.92</b>	<b>93.16</b>	<b>111.53</b>	<b>24.04</b>	<b>5.61</b>	<b>0.85</b>	<b>1.86</b>	<b>73.93</b>	<b>57.36</b>	<b>131.28</b>	<b>79.23</b>	<b>12.34</b>	
<b>Medie</b>	<b>22.00</b>	<b>24.16</b>	<b>25.92</b>	<b>33.64</b>	<b>45.79</b>	<b>2.87</b>	<b>1.18</b>	<b>0.27</b>	<b>0.50</b>	<b>7.26</b>	<b>20.70</b>	<b>27.81</b>	<b>52.81</b>	<b>11.52</b>	

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

Particule in suspensie (PM2,5)	3
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	3
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\*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 - Analizor trimis la producător pentru calibrare și update firmware