



GAB CO₂ cylinder

To determine the carbon dioxide CO₂ in wines, sparkling wines and ciders

Characteristics

- Graduation 0 mL - 100 ml
- Tolerance +/- 1.0 ml

Instructions

- 01 Keep the sample in the fridge some hours before the analysis.
- 02 Lead the cylinder to the same temperature as the wine sample to analyse by means of rinses with the same wine sample. The measurement is more accurate between 5 and 10 °C.
- 03 Fill it till the 100 mL level dropping carefully the wine through the wall of the cylinder to avoid CO₂ losses.
- 04 In case of have filled more volume than needed use the top with inner tube like a pipette to eliminate surplus sample.
- 05 Finally introduce the tube and cover the cylinder hermetically.
- 06 Take the cylinder with the hand and cover the outflow with the thumb.
- 07 Shake during some seconds.
- 08 Stop shaking, withdraw the thumb and let the wine flow maintaining the cylinder slightly leaned in a suited place.
- 09 Repeat the previous operation (steps 07-08) till no more wine flows.
- 10 Take out the tube with the stopper and wait till foam disappears.
- 11 Read the volume of the cylinder first and then measure its temperature.
- 12 With these two data determine, through the attached table, the content of CO₂ of a wine in milligrams per litre (mg/L).
 - o i. example, the content of CO₂ of a wine which non displaced volume is 90 mL and a temperature of 10 °C will be 1060 mg/L.





CO₂ TABLE mg/L

	t °C	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
mL																						
99		0150	0145	0140	0135	0130	0125	0120	0115	0110	0105	0100	0095	0090	0085	0080	0075	0070	0065	0060	0055	0050
98		0275	0265	0260	0255	0250	0245	0235	0225	0220	0215	0210	0200	0195	0190	0185	0180	0175	0165	0160	0155	0150
97		0400	0395	0390	0380	0370	0360	0350	0340	0330	0325	0315	0310	0305	0300	0295	0290	0280	0270	0260	0255	0245
96		0600	0590	0575	0565	0550	0540	0525	0510	0500	0485	0470	0465	0455	0450	0445	0435	0420	0410	0395	0380	0365
95		0800	0780	0770	0750	0735	0720	0700	0680	0665	0645	0625	0620	0610	0600	0590	0580	0560	0545	0525	0505	0485
94		1000	0980	0960	0940	0920	0895	0875	0850	0830	0805	0785	0770	0760	0750	0740	0725	0700	0680	0655	0635	0610
93		1090	1070	1045	1020	1000	0975	0950	0925	0905	0880	0850	0840	0830	0815	0805	0790	0765	0740	0715	0690	0665
92		1175	1150	1130	1105	1080	1055	1030	1005	0975	0950	0925	0910	0900	0885	0870	0860	0830	0805	0775	0750	0720
91		1265	1235	1210	1185	1160	1135	1105	1080	1050	1020	0995	0980	0965	0950	0935	0925	0895	0865	0835	0805	0775
90		1350	1320	1295	1270	1240	1215	1185	1155	1125	1095	1060	1050	1030	1020	1005	0990	0955	0925	0895	0865	0830
89		1435	1410	1380	1350	1320	1295	1260	1230	1200	1165	1130	1120	1100	1085	1070	1055	1020	0985	0955	0920	0890
88		1510	1475	1445	1420	1390	1360	1325	1290	1260	1225	1190	1175	1160	1140	1125	1110	1075	1040	1005	0970	0935
87		1580	1545	1515	1485	1455	1420	1385	1350	1320	1285	1250	1230	1215	1195	1180	1165	1125	1090	1055	1015	0980
86		1650	1615	1585	1550	1520	1485	1450	1415	1380	1345	1300	1290	1270	1255	1235	1215	1180	1140	1105	1065	1030
85		1720	1685	1650	1620	1585	1550	1515	1475	1440	1400	1360	1345	1330	1310	1290	1270	1235	1195	1155	1115	1075
84		1790	1755	1720	1685	1650	1615	1575	1540	1500	1460	1420	1400	1385	1365	1345	1325	1285	1245	1205	1165	1125
83		1850	1815	1780	1745	1710	1670	1630	1590	1550	1510	1470	1450	1430	1410	1390	1375	1330	1290	1245	1205	1165
82		1910	1875	1835	1800	1765	1725	1685	1645	1605	1560	1520	1500	1480	1460	1440	1420	1375	1335	1290	1250	1205
81		1970	1930	1895	1855	1820	1780	1740	1695	1655	1615	1570	1550	1530	1510	1485	1465	1420	1380	1335	1295	1245
80		2030	2000	1960	1915	1875	1835	1790	1750	1705	1665	1620	1600	1580	1555	1535	1515	1470	1425	1380	1335	1290
79		2090	2050	2010	1970	1930	1890	1845	1800	1760	1715	1670	1650	1625	1605	1580	1560	1515	1470	1420	1375	1330
78		2140	2100	2060	2020	1980	1940	1895	1850	1805	1760	1710	1690	1670	1645	1625	1600	1555	1510	1460	1415	1365
77		2195	2150	2110	2070	2030	1985	1940	1598	1850	1805	1760	1735	1710	1690	1665	1645	1595	1545	1500	1450	1405
76		2245	2205	2160	2120	2075	2035	1990	1940	1895	1850	1800	1780	1755	1730	1710	1685	1635	1585	1540	1490	1440
75		2300	2255	2210	2170	2125	2080	2035	1990	1940	1890	1845	1820	1800	1775	1750	1725	1675	1625	1575	1525	1480
74		2350	2300	2260	2220	2175	2130	2080	2035	1985	1935	1890	1865	1840	1815	1790	1770	1715	1665	1615	1565	1515
73		2395	2350	2310	2260	2220	2175	2125	2075	2025	1975	1930	1905	1880	1855	1830	1805	1755	1700	1650	1600	1550
72		2440	2400	2350	2305	2260	2215	2165	2115	2065	2015	1970	1945	1920	1895	1870	1840	1790	1740	1685	1635	1585
71		2490	2440	2400	2350	2305	2260	2210	2160	2110	2060	2010	1980	1955	1930	1905	1880	1830	1775	1720	1670	1615
70		2535	2490	2440	2395	2350	2300	2250	2200	2150	2100	2045	2020	1995	1970	1945	1920	1865	1810	1760	1705	1650
69		2580	2535	2485	2440	2390	2345	2295	2240	2190	2140	2085	2060	2035	2010	1980	1950	1900	1845	1795	1740	1685
68		2625	2575	2530	2480	2430	2385	2330	2280	2225	2175	2120	2095	2070	2045	2015	1990	1935	1880	1825	1770	1715
67		2665	2620	2570	2520	2470	2425	2370	2315	2265	2210	2160	2130	2105	2080	2050	2025	1970	1915	1860	1805	1750
66		2705	2660	2610	2560	2510	2465	2410	2355	2300	2250	2195	2170	2140	2115	2085	2060	2005	1950	1890	1835	1780
65		2750	2700	2650	2600	2550	2505	2450	2395	2340	2285	2230	2205	2175	2150	2120	2095	2040	1980	1925	1870	1810
64		2790	2740	2690	2640	2590	2540	2485	2430	2375	2320	2265	2240	2210	2185	2155	2130	2075	2016	1960	1900	1845
63		2830	2780	2730	2680	2630	2580	2525	2465	2410	2355	2300	2270	2245	2220	2190	2165	2105	2045	1990	1930	1875
62		2870	2815	2765	2715	2665	2615	2560	2500	2445	2390	2335	2305	2280	2250	2225	2195	2140	2080	2020	1960	1905
61		2905	2855	2805	2750	2700	2650	2595	2540	2480	2425	2370	2340	2315	2285	2255	2230	2170	2110	2050	1995	1935
60		2945	2895	2840	2790	2740	2685	2630	2575	2515	2460	2405	2375	2345	2315	2290	2260	2200	2140	2085	2025	1965
59		2985	2930	2880	2825	2775	2725	2665	2610	2550	2495	2440	2410	2380	2350	2320	2295	2235	2175	2115	2055	1995
58		3020	2970	2915	2860	2810	2760	2700	2640	2585	2525	2470	2440	2410	2380	2355	2325	2265	2205	2140	2085	2020
57		3055	3000	2950	2895	2845	2790	2735	2675	2615	2560	2500	2465	2440	2415	2385	2355	2295	2235	2170	2110	2050
56		3100	3040	2985	2930	2880	2825	2765	2705	2650	2590	2530	2495	2475	2445	2415	2385	2325	2265	2200	2140	2080
55		3130	3075	3020	2965	2915	2860	2800	2740	2680	2625	2560	2525	2505	2475	2445	2415	2355	2295	2230	2170	2110
54		3165	3110	3055	3000	2945	2895	2835	2770	2715	2655	2595	2565	2535	2505	2475	2445	2385	2325	2260	2200	2135
53		3200	3145	3090	3035	2980	2925	2865	2805	2745	2685	2625	2595	2565	2535	2505	2475	2410	2350	2290	2225	2165
52		3230	3175	3120	3065	3010	2955	2900	2835	2775	2715	2655	2625	2595	2566	2535	2505	2440	2380	2315	2255	2190
51		3265	3210	3155	3100	3045	2990	2930	2870	2810	2745	2685	2655	2625	2595	2565	2535	2470	2410	2345	2280	2220
50		3300	3245	3190	3135	3075	3020	2960	2900	2840	2780	2715	2685	2655	2625	2595	2565	2500	2435	2375	2310	2245
49		3335	3275	3220	3166	3110	3055	2995	2930	2870	2810	2750	2715	2685	2655	2625	2595	2530	2465	2400	2335	2275
48		3365	3310	3255	3195	3140	3085	3025	2960	2900	2840	2775	2745	2715	2685	2655	2620	2555	2495	2430	2365	2300
47		3395	3340	3285	3230	3170	3115	3055	2990	2930	2870	2805	2775	2745	2710	2680	2650	2585	2520	2455	2390	2325
46		3430	3375	3315	3260	3205	3145	3085	3020	2960	2895	2835	2800	2770	2740	2710	2675	2610	2545	2480	2415	2350
45		3460	3405	3350	3290	3235	3175	3115	3050	2990	2925	2860	2830	2800	2770	2735	2705	2640	2575	2510	2445	2380
44		3495	3435	3380	3320	3265	3210	3145	3080	3020	2955	2895	2860	2825	2795	2765	2735	2665	2600	2535	2470	2405
43		3525	3465	3405	3345	3285	3225	3165	3100	3040	2980	2920	2885	2855	2825	2790	2760	2695	2630	2565	2495	2430
42		3555	3495	3435	3375	3315	3250	3190	3130	3070	3010	2945	2915	2885	2850	2820	2790	2720	2655	2590	2520	2455
41		3585	3525	3465	3405	3340	3280	3220	3160	3100</												