

エタノール水溶液の容量%と比重及び重量%等との関係

アルコール (vol%)	水分 (vol%)	アルコール (wt%)	比重 (15°C/15°C)	100ml中の エタノール(g)量	密度 (15°C)	アルコール (vol%)	水分 (vol%)	アルコール (wt%)	比重 (15°C/15°C)	100ml中の エタノール(g)量	密度 (15°C)
0	100.00	0.00	1.00000	0.00000	0.99910	51	52.76	43.43	0.93265	40.50522	0.93181
1	99.05	0.80	0.99848	0.79422	0.99758	52	51.77	44.38	0.93067	41.29944	0.92983
2	98.11	1.59	0.99701	1.58844	0.99611	53	50.77	45.33	0.92866	42.09366	0.92782
3	97.18	2.39	0.99558	2.38266	0.99468	54	49.77	46.28	0.92661	42.88788	0.92578
4	96.24	3.20	0.99419	3.17688	0.99330	55	48.77	47.25	0.92454	43.68210	0.92371
5	95.31	4.00	0.99284	3.97110	0.99195	56	47.77	48.22	0.92244	44.47632	0.92161
6	94.39	4.81	0.99153	4.76532	0.99064	57	46.76	49.19	0.92032	45.27054	0.91949
7	93.47	5.61	0.99025	5.55954	0.98936	58	45.75	50.17	0.91816	46.06476	0.91733
8	92.55	6.42	0.98901	6.35376	0.98812	59	44.74	51.16	0.91598	46.85898	0.91516
9	91.63	7.24	0.98780	7.14798	0.98691	60	43.72	52.15	0.91378	47.65320	0.91296
10	90.72	8.05	0.98662	7.94220	0.98573	61	42.71	53.15	0.91155	48.44742	0.91073
11	89.81	8.87	0.98547	8.73642	0.98458	62	41.69	54.15	0.90930	49.24164	0.90848
12	88.90	9.68	0.98435	9.53064	0.98346	63	40.67	55.17	0.90702	50.03586	0.90620
13	88.00	10.50	0.98324	10.32486	0.98236	64	39.64	56.18	0.90471	50.83008	0.90390
14	87.10	11.32	0.98217	11.11908	0.98129	65	38.61	57.21	0.90238	51.62430	0.90157
15	86.20	12.14	0.98112	11.91330	0.98024	66	37.58	58.24	0.90003	52.41852	0.89922
16	85.30	12.97	0.98008	12.70752	0.97920	67	36.55	59.28	0.89766	53.21274	0.89685
17	84.40	13.79	0.97906	13.50174	0.97818	68	35.52	60.33	0.89526	54.00696	0.89445
18	83.51	14.62	0.97805	14.29596	0.97717	69	34.48	61.38	0.89282	54.80118	0.89202
19	82.61	15.44	0.97704	15.09018	0.97616	70	33.44	62.44	0.89036	55.59540	0.88956
20	81.72	16.27	0.97605	15.88440	0.97517	71	32.40	63.51	0.88788	56.38962	0.88708
21	80.83	17.11	0.97505	16.67862	0.97417	72	31.35	64.59	0.88537	57.18384	0.88457
22	79.93	17.94	0.97405	17.47284	0.97317	73	30.30	65.67	0.88282	57.97806	0.88203
23	79.04	18.77	0.97304	18.26706	0.97216	74	29.25	66.77	0.88025	58.77228	0.87946
24	78.14	19.61	0.97201	19.06128	0.97114	75	28.20	67.87	0.87766	59.56650	0.87687
25	77.24	20.45	0.97098	19.85550	0.97011	76	27.14	68.98	0.87503	60.36072	0.87424
26	76.34	21.29	0.96994	20.64972	0.96907	77	26.08	70.10	0.87237	61.15494	0.87158
27	75.44	22.13	0.96887	21.44394	0.96800	78	25.02	71.23	0.86967	61.94916	0.86889
28	74.54	22.98	0.96778	22.23816	0.96691	79	23.95	72.37	0.86695	62.74338	0.86617
29	73.63	23.83	0.96666	23.03238	0.96579	80	22.88	73.52	0.86420	63.53760	0.86342
30	72.73	24.68	0.96552	23.82660	0.96465	81	21.81	74.68	0.86141	64.33182	0.86063
31	71.81	25.53	0.96434	24.62082	0.96347	82	20.73	75.85	0.85857	65.12604	0.85780
32	70.90	26.39	0.96313	25.41504	0.96226	83	19.65	77.04	0.85570	65.92026	0.85493
33	69.98	27.25	0.96189	26.20926	0.96102	84	18.56	78.23	0.85279	66.71448	0.85202
34	69.06	28.11	0.96060	27.00348	0.95974	85	17.47	79.44	0.84982	67.50870	0.84906
35	68.13	28.98	0.95928	27.79770	0.95842	86	16.38	80.66	0.84682	68.30292	0.84606
36	67.20	29.85	0.95792	28.59192	0.95706	87	15.28	81.89	0.84376	69.09714	0.84300
37	66.27	30.72	0.95652	29.38614	0.95566	88	14.17	83.14	0.84064	69.89136	0.83988
38	65.33	31.60	0.95508	30.18036	0.95422	89	13.06	84.41	0.83745	70.68558	0.83670
39	64.38	32.48	0.95359	30.97458	0.95273	90	11.94	85.69	0.83419	71.47980	0.83344
40	63.44	33.37	0.95207	31.76880	0.95121	91	10.81	86.99	0.83085	72.27402	0.83010
41	62.49	34.26	0.95050	32.56302	0.94964	92	9.67	88.31	0.82740	73.06824	0.82666
42	61.53	35.15	0.94888	33.35724	0.94803	93	8.52	89.65	0.82386	73.86246	0.82312
43	60.57	36.05	0.94723	34.15146	0.94638	94	7.36	91.02	0.82020	74.65668	0.81946
44	59.61	36.96	0.94554	34.94568	0.94469	95	6.19	92.42	0.81639	75.45090	0.81566
45	58.64	37.87	0.94381	35.73990	0.94296	96	5.00	93.85	0.81244	76.24512	0.81171
46	57.67	38.78	0.94205	36.53412	0.94120	97	3.79	95.31	0.80829	77.03934	0.80756
47	56.70	39.70	0.94024	37.32834	0.93939	98	2.56	96.82	0.80391	77.83356	0.80319
48	55.72	40.63	0.93839	38.12256	0.93755	99	1.30	98.38	0.79926	78.62778	0.79854
49	54.73	41.56	0.93651	38.91678	0.93567	100	0.00	100.00	0.79422	79.42200	0.79351
50	53.75	42.49	0.93459	39.71100	0.93375						

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(注)比重:密度÷0.99910、アルコール重量%;アルコール容量%×0.79422÷比重、
水分(vol%):(100-アルコール重量%)×比重、100ml中のエタノール(g)量;アルコール容量%×0.79422