

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
45,0	928,510	927,750	926,988	926,223	925,456	924,686	923,914	923,139	922,362	921,583	920,801
45,1	928,298	927,538	926,775	926,010	925,242	924,472	923,699	922,924	922,146	921,366	920,584
45,2	928,086	927,325	926,562	925,796	925,028	924,257	923,484	922,708	921,930	921,149	920,366
45,3	927,874	927,113	926,349	925,582	924,814	924,042	923,268	922,492	921,713	920,932	920,149
45,4	927,662	926,900	926,135	925,368	924,599	923,827	923,053	922,276	921,497	920,715	919,931
45,5	927,449	926,687	925,922	925,154	924,384	923,612	922,837	922,060	921,280	920,498	919,713
45,6	927,236	926,474	925,708	924,940	924,170	923,397	922,621	921,843	921,063	920,280	919,495
45,7	927,024	926,260	925,494	924,726	923,955	923,181	922,405	921,627	920,846	920,063	919,277
45,8	926,810	926,046	925,280	924,511	923,739	922,965	922,189	921,410	920,629	919,845	919,059
45,9	926,597	925,833	925,066	924,296	923,524	922,749	921,972	921,193	920,411	919,627	918,840
46,0	926,384	925,619	924,851	924,081	923,308	922,533	921,756	920,976	920,194	919,409	918,622
46,1	926,170	925,405	924,636	923,866	923,093	922,317	921,539	920,759	919,976	919,191	918,403
46,2	925,956	925,190	924,422	923,650	922,877	922,101	921,322	920,541	919,758	918,972	918,184
46,3	925,742	924,976	924,207	923,435	922,661	921,884	921,105	920,324	919,540	918,754	917,965
46,4	925,528	924,761	923,991	923,219	922,445	921,668	920,888	920,106	919,322	918,535	917,746
46,5	925,314	924,546	923,776	923,003	922,228	921,451	920,671	919,888	919,103	918,316	917,527
46,6	925,099	924,331	923,560	922,787	922,012	921,234	920,453	919,670	918,885	918,097	917,307
46,7	924,884	924,116	923,345	922,571	921,795	921,016	920,235	919,452	918,666	917,878	917,088
46,8	924,669	923,900	923,129	922,355	921,578	920,799	920,018	919,234	918,447	917,659	916,868
46,9	924,454	923,685	922,913	922,138	921,361	920,582	919,800	919,015	918,228	917,439	916,648
47,0	924,239	923,469	922,697	921,922	921,144	920,364	919,582	918,797	918,009	917,220	916,428
47,1	924,024	923,253	922,480	921,705	920,927	920,146	919,363	918,578	917,790	917,000	916,208
47,2	923,808	923,037	922,264	921,488	920,709	919,928	919,145	918,359	917,571	916,780	915,987
47,3	923,592	922,821	922,047	921,270	920,492	919,710	918,926	918,140	917,351	916,560	915,767
47,4	923,377	922,605	921,830	921,053	920,274	919,492	918,708	917,921	917,132	916,340	915,547
47,5	923,160	922,388	921,613	920,836	920,056	919,273	918,489	917,701	916,912	916,120	915,326
47,6	922,944	922,171	921,396	920,618	919,838	919,055	918,270	917,482	916,692	915,900	915,105
47,7	922,728	921,954	921,179	920,400	919,620	918,836	918,051	917,262	916,472	915,679	914,884
47,8	922,511	921,737	920,961	920,182	919,401	918,617	917,831	917,043	916,252	915,459	914,663
47,9	922,295	921,520	920,744	919,964	919,183	918,398	917,612	916,823	916,031	915,238	914,442
48,0	922,078	921,303	920,526	919,746	918,964	918,179	917,392	916,603	915,811	915,017	914,220
48,1	921,861	921,085	920,308	919,528	918,745	917,960	917,173	916,383	915,590	914,796	913,999
48,2	921,643	920,868	920,090	919,309	918,526	917,741	916,953	916,162	915,370	914,575	913,777
48,3	921,426	920,650	919,872	919,091	918,307	917,521	916,733	915,942	915,149	914,353	913,556
48,4	921,209	920,432	919,653	918,872	918,088	917,302	916,513	915,722	914,928	914,132	913,334
48,5	920,991	920,214	919,435	918,653	917,868	917,082	916,292	915,501	914,707	913,911	913,112
48,6	920,773	919,996	919,216	918,434	917,649	916,862	916,072	915,280	914,486	913,689	912,890
48,7	920,555	919,778	918,997	918,215	917,429	916,642	915,852	915,059	914,264	913,467	912,668
48,8	920,337	919,559	918,778	917,995	917,210	916,422	915,631	914,838	914,043	913,245	912,445
48,9	920,119	919,340	918,559	917,776	916,990	916,201	915,410	914,617	913,821	913,023	912,223
49,0	919,901	919,122	918,340	917,556	916,770	915,981	915,189	914,396	913,600	912,801	912,000
49,1	919,682	918,903	918,121	917,336	916,549	915,760	914,968	914,174	913,378	912,579	911,778
49,2	919,463	918,684	917,901	917,116	916,329	915,539	914,747	913,953	913,156	912,356	911,555
49,3	919,245	918,464	917,682	916,896	916,109	915,319	914,526	913,731	912,934	912,134	911,332
49,4	919,026	918,245	917,462	916,676	915,888	915,098	914,305	913,509	912,712	911,911	911,109
49,5	918,807	918,026	917,242	916,456	915,667	914,877	914,083	913,287	912,489	911,689	910,886
49,6	918,587	917,806	917,022	916,236	915,447	914,655	913,862	913,065	912,267	911,466	910,663
49,7	918,368	917,586	916,802	916,015	915,226	914,434	913,640	912,843	912,044	911,243	910,439
49,8	918,149	917,366	916,582	915,794	915,005	914,213	913,418	912,621	911,822	911,020	910,216
49,9	917,929	917,146	916,361	915,574	914,783	913,991	913,196	912,399	911,599	910,797	909,992

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
50,0	917,709	916,926	916,141	915,353	914,562	913,769	912,974	912,176	911,376	910,573	909,769
50,1	917,489	916,706	915,920	915,132	914,341	913,547	912,752	911,953	911,153	910,350	909,545
50,2	917,269	916,486	915,699	914,910	914,119	913,325	912,529	911,731	910,930	910,127	909,321
50,3	917,049	916,265	915,478	914,689	913,898	913,103	912,307	911,508	910,707	909,903	909,097
50,4	916,829	916,044	915,257	914,468	913,676	912,881	912,084	911,285	910,483	909,679	908,873
50,5	916,609	915,824	915,036	914,246	913,454	912,659	911,862	911,062	910,260	909,455	908,649
50,6	916,388	915,603	914,815	914,025	913,232	912,437	911,639	910,839	910,036	909,231	908,424
50,7	916,168	915,382	914,594	913,803	913,010	912,214	911,416	910,616	909,813	909,007	908,200
50,8	915,947	915,161	914,372	913,581	912,787	911,991	911,193	910,392	909,589	908,783	907,975
50,9	915,726	914,939	914,150	913,359	912,565	911,769	910,970	910,169	909,365	908,559	907,751
51,0	915,505	914,718	913,929	913,137	912,343	911,546	910,747	909,945	909,141	908,335	907,526
51,1	915,284	914,497	913,707	912,915	912,120	911,323	910,523	909,721	908,917	908,110	907,301
51,2	915,063	914,275	913,485	912,692	911,897	911,100	910,300	909,498	908,693	907,886	907,076
51,3	914,841	914,053	913,263	912,470	911,674	910,877	910,076	909,274	908,469	907,661	906,851
51,4	914,620	913,831	913,041	912,247	911,452	910,653	909,853	909,050	908,244	907,436	906,626
51,5	914,398	913,609	912,818	912,025	911,228	910,430	909,629	908,825	908,020	907,211	906,401
51,6	914,176	913,387	912,596	911,802	911,005	910,206	909,405	908,601	907,795	906,987	906,176
51,7	913,955	913,165	912,373	911,579	910,782	909,983	909,181	908,377	907,570	906,761	905,950
51,8	913,733	912,943	912,151	911,356	910,559	909,759	908,957	908,152	907,346	906,536	905,725
51,9	913,511	912,720	911,928	911,133	910,335	909,535	908,733	907,928	907,121	906,311	905,499
52,0	913,288	912,498	911,705	910,910	910,112	909,311	908,508	907,703	906,896	906,086	905,273
52,1	913,066	912,275	911,482	910,686	909,888	909,087	908,284	907,479	906,671	905,860	905,048
52,2	912,844	912,053	911,259	910,463	909,664	908,863	908,060	907,254	906,445	905,635	904,822
52,3	912,621	911,830	911,036	910,239	909,440	908,639	907,835	907,029	906,220	905,409	904,596
52,4	912,399	911,607	910,812	910,016	909,216	908,415	907,610	906,804	905,995	905,183	904,370
52,5	912,176	911,384	910,589	909,792	908,992	908,190	907,386	906,579	905,769	904,958	904,143
52,6	911,953	911,160	910,365	909,568	908,768	907,966	907,161	906,353	905,544	904,732	903,917
52,7	911,730	910,937	910,142	909,344	908,544	907,741	906,936	906,128	905,318	904,506	903,691
52,8	911,507	910,714	909,918	909,120	908,319	907,516	906,711	905,903	905,092	904,279	903,464
52,9	911,284	910,490	909,694	908,896	908,095	907,291	906,485	905,677	904,866	904,053	903,238
53,0	911,061	910,267	909,470	908,671	907,870	907,066	906,260	905,451	904,640	903,827	903,011
53,1	910,837	910,043	909,246	908,447	907,645	906,841	906,035	905,226	904,414	903,601	902,784
53,2	910,614	909,819	909,022	908,223	907,421	906,616	905,809	905,000	904,188	903,374	902,558
53,3	910,390	909,595	908,798	907,998	907,196	906,391	905,584	904,774	903,962	903,148	902,331
53,4	910,166	909,371	908,573	907,773	906,971	906,166	905,358	904,548	903,736	902,921	902,104
53,5	909,943	909,147	908,349	907,548	906,746	905,940	905,132	904,322	903,509	902,694	901,877
53,6	909,719	908,923	908,124	907,324	906,520	905,715	904,906	904,096	903,283	902,467	901,649
53,7	909,495	908,698	907,900	907,099	906,295	905,489	904,680	903,869	903,056	902,240	901,422
53,8	909,271	908,474	907,675	906,874	906,070	905,263	904,454	903,643	902,829	902,013	901,195
53,9	909,046	908,250	907,450	906,648	905,844	905,037	904,228	903,417	902,603	901,786	900,967
54,0	908,822	908,025	907,225	906,423	905,619	904,811	904,002	903,190	902,376	901,559	900,740
54,1	908,598	907,800	907,000	906,198	905,393	904,585	903,776	902,963	902,149	901,332	900,512
54,2	908,373	907,575	906,775	905,972	905,167	904,359	903,549	902,737	901,922	901,104	900,285
54,3	908,149	907,350	906,550	905,747	904,941	904,133	903,323	902,510	901,695	900,877	900,057
54,4	907,924	907,125	906,324	905,521	904,715	903,907	903,096	902,283	901,467	900,649	899,829
54,5	907,699	906,900	906,099	905,295	904,489	903,680	902,869	902,056	901,240	900,422	899,601
54,6	907,474	906,675	905,873	905,069	904,263	903,454	902,643	901,829	901,013	900,194	899,373
54,7	907,249	906,450	905,648	904,844	904,037	903,227	902,416	901,602	900,785	899,966	899,145
54,8	907,024	906,224	905,422	904,617	903,810	903,001	902,189	901,374	900,558	899,738	898,917
54,9	906,799	905,999	905,196	904,391	903,584	902,774	901,962	901,147	900,330	899,510	898,688

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
55,0	906,574	905,773	904,970	904,165	903,357	902,547	901,735	900,920	900,102	899,282	898,460
55,1	906,348	905,548	904,744	903,939	903,131	902,320	901,507	900,692	899,874	899,054	898,231
55,2	906,123	905,322	904,518	903,712	902,904	902,093	901,280	900,464	899,646	898,826	898,003
55,3	905,897	905,096	904,292	903,486	902,677	901,866	901,053	900,237	899,418	898,597	897,774
55,4	905,671	904,870	904,066	903,259	902,450	901,639	900,825	900,009	899,190	898,369	897,546
55,5	905,446	904,644	903,839	903,033	902,223	901,412	900,598	899,781	898,962	898,141	897,317
55,6	905,220	904,418	903,613	902,806	901,996	901,184	900,370	899,553	898,734	897,912	897,088
55,7	904,994	904,191	903,386	902,579	901,769	900,957	900,142	899,325	898,505	897,683	896,859
55,8	904,768	903,965	903,160	902,352	901,542	900,729	899,914	899,097	898,277	897,455	896,630
55,9	904,542	903,739	902,933	902,125	901,315	900,502	899,686	898,869	898,048	897,226	896,401
56,0	904,316	903,512	902,706	901,898	901,087	900,274	899,458	898,640	897,820	896,997	896,172
56,1	904,089	903,285	902,479	901,671	900,860	900,046	899,230	898,412	897,591	896,768	895,942
56,2	903,863	903,059	902,252	901,443	900,632	899,818	899,002	898,183	897,362	896,539	895,713
56,3	903,636	902,832	902,025	901,216	900,404	899,590	898,774	897,955	897,133	896,310	895,483
56,4	903,410	902,605	901,798	900,989	900,177	899,362	898,545	897,726	896,905	896,080	895,254
56,5	903,183	902,378	901,571	900,761	899,949	899,134	898,317	897,497	896,675	895,851	895,024
56,6	902,956	902,151	901,343	900,533	899,721	898,906	898,088	897,269	896,446	895,622	894,795
56,7	902,729	901,924	901,116	900,306	899,493	898,678	897,860	897,040	896,217	895,392	894,565
56,8	902,502	901,697	900,888	900,078	899,265	898,449	897,631	896,811	895,988	895,163	894,335
56,9	902,275	901,469	900,661	899,850	899,036	898,221	897,402	896,582	895,759	894,933	894,105
57,0	902,048	901,242	900,433	899,622	898,808	897,992	897,173	896,353	895,529	894,703	893,875
57,1	901,821	901,014	900,205	899,394	898,580	897,763	896,945	896,123	895,300	894,473	893,645
57,2	901,594	900,787	899,977	899,166	898,351	897,535	896,716	895,894	895,070	894,244	893,415
57,3	901,366	900,559	899,749	898,937	898,123	897,306	896,486	895,665	894,840	894,014	893,185
57,4	901,139	900,331	899,521	898,709	897,894	897,077	896,257	895,435	894,611	893,784	892,954
57,5	900,911	900,103	899,293	898,481	897,665	896,848	896,028	895,206	894,381	893,553	892,724
57,6	900,684	899,875	899,065	898,252	897,437	896,619	895,799	894,976	894,151	893,323	892,493
57,7	900,456	899,647	898,837	898,023	897,208	896,390	895,569	894,746	893,921	893,093	892,263
57,8	900,228	899,419	898,608	897,795	896,979	896,160	895,340	894,516	893,691	892,863	892,032
57,9	900,000	899,191	898,380	897,566	896,750	895,931	895,110	894,286	893,461	892,632	891,801
58,0	899,772	898,963	898,151	897,337	896,521	895,702	894,880	894,056	893,230	892,402	891,571
58,1	899,544	898,734	897,922	897,108	896,291	895,472	894,650	893,826	893,000	892,171	891,340
58,2	899,316	898,506	897,694	896,879	896,062	895,243	894,421	893,596	892,770	891,940	891,109
58,3	899,088	898,277	897,465	896,650	895,833	895,013	894,191	893,366	892,539	891,710	890,878
58,4	898,859	898,049	897,236	896,421	895,603	894,783	893,961	893,136	892,308	891,479	890,647
58,5	898,631	897,820	897,007	896,192	895,374	894,553	893,731	892,905	892,078	891,248	890,416
58,6	898,402	897,591	896,778	895,962	895,144	894,323	893,500	892,675	891,847	891,017	890,184
58,7	898,174	897,362	896,549	895,733	894,914	894,093	893,270	892,444	891,616	890,786	889,953
58,8	897,945	897,133	896,320	895,503	894,684	893,863	893,040	892,214	891,385	890,555	889,721
58,9	897,716	896,904	896,090	895,274	894,455	893,633	892,809	891,983	891,154	890,323	889,490
59,0	897,487	896,675	895,861	895,044	894,225	893,403	892,579	891,752	890,923	890,092	889,258
59,1	897,258	896,446	895,631	894,814	893,995	893,173	892,348	891,521	890,692	889,861	889,027
59,2	897,029	896,217	895,402	894,584	893,764	892,942	892,118	891,291	890,461	889,629	888,795
59,3	896,800	895,987	895,172	894,354	893,534	892,712	891,887	891,060	890,230	889,398	888,563
59,4	896,571	895,758	894,942	894,124	893,304	892,481	891,656	890,828	889,998	889,166	888,331
59,5	896,342	895,528	894,712	893,894	893,074	892,251	891,425	890,597	889,767	888,934	888,099
59,6	896,112	895,299	894,482	893,664	892,843	892,020	891,194	890,366	889,536	888,703	887,867
59,7	895,883	895,069	894,252	893,434	892,613	891,789	890,963	890,135	889,304	888,471	887,635
59,8	895,653	894,839	894,022	893,203	892,382	891,558	890,732	889,903	889,072	888,239	887,403
59,9	895,424	894,609	893,792	892,973	892,151	891,327	890,501	889,672	888,841	888,007	887,171

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
60,0	895,194	894,379	893,562	892,742	891,920	891,096	890,269	889,440	888,609	887,775	886,939
60,1	894,964	894,149	893,332	892,512	891,690	890,865	890,038	889,209	888,377	887,543	886,706
60,2	894,734	893,919	893,101	892,281	891,459	890,634	889,807	888,977	888,145	887,310	886,474
60,3	894,504	893,689	892,871	892,050	891,228	890,403	889,575	888,745	887,913	887,078	886,241
60,4	894,274	893,458	892,640	891,820	890,997	890,171	889,343	888,513	887,681	886,846	886,008
60,5	894,044	893,228	892,410	891,589	890,765	889,940	889,112	888,281	887,448	886,613	885,776
60,6	893,814	892,998	892,179	891,358	890,534	889,708	888,880	888,049	887,216	886,381	885,543
60,7	893,584	892,767	891,948	891,127	890,303	889,477	888,648	887,817	886,984	886,148	885,310
60,8	893,353	892,536	891,717	890,895	890,071	889,245	888,416	887,585	886,751	885,915	885,077
60,9	893,123	892,306	891,486	890,664	889,840	889,013	888,184	887,353	886,519	885,683	884,844
61,0	892,892	892,075	891,255	890,433	889,608	888,781	887,952	887,120	886,286	885,450	884,611
61,1	892,662	891,844	891,024	890,201	889,377	888,549	887,720	886,888	886,054	885,217	884,378
61,2	892,431	891,613	890,793	889,970	889,145	888,317	887,488	886,655	885,821	884,984	884,145
61,3	892,200	891,382	890,561	889,738	888,913	888,085	887,255	886,423	885,588	884,751	883,911
61,4	891,970	891,151	890,330	889,507	888,681	887,853	887,023	886,190	885,355	884,518	883,678
61,5	891,739	890,920	890,099	889,275	888,449	887,621	886,790	885,957	885,122	884,285	883,445
61,6	891,508	890,688	889,867	889,043	888,217	887,389	886,558	885,725	884,889	884,051	883,211
61,7	891,276	890,457	889,635	888,811	887,985	887,156	886,325	885,492	884,656	883,818	882,977
61,8	891,045	890,226	889,404	888,579	887,753	886,924	886,093	885,259	884,423	883,584	882,744
61,9	890,814	889,994	889,172	888,347	887,521	886,691	885,860	885,026	884,190	883,351	882,510
62,0	890,583	889,763	888,940	888,115	887,288	886,459	885,627	884,793	883,956	883,117	882,276
62,1	890,351	889,531	888,708	887,883	887,056	886,226	885,394	884,560	883,723	882,884	882,042
62,2	890,120	889,299	888,476	887,651	886,823	885,993	885,161	884,326	883,489	882,650	881,808
62,3	889,888	889,067	888,244	887,419	886,591	885,760	884,928	884,093	883,256	882,416	881,574
62,4	889,657	888,835	888,012	887,186	886,358	885,527	884,695	883,860	883,022	882,182	881,340
62,5	889,425	888,603	887,780	886,954	886,125	885,294	884,461	883,626	882,788	881,948	881,106
62,6	889,193	888,371	887,547	886,721	885,892	885,061	884,228	883,392	882,555	881,714	880,872
62,7	888,961	888,139	887,315	886,488	885,659	884,828	883,995	883,159	882,321	881,480	880,637
62,8	888,729	887,907	887,082	886,256	885,426	884,595	883,761	882,925	882,087	881,246	880,403
62,9	888,497	887,675	886,850	886,023	885,193	884,362	883,528	882,691	881,853	881,012	880,168
63,0	888,265	887,442	886,617	885,790	884,960	884,128	883,294	882,458	881,619	880,777	879,934
63,1	888,033	887,210	886,385	885,557	884,727	883,895	883,060	882,224	881,384	880,543	879,699
63,2	887,800	886,977	886,152	885,324	884,494	883,661	882,827	881,990	881,150	880,309	879,465
63,3	887,568	886,745	885,919	885,091	884,260	883,428	882,593	881,755	880,916	880,074	879,230
63,4	887,336	886,512	885,686	884,858	884,027	883,194	882,359	881,521	880,681	879,839	878,995
63,5	887,103	886,279	885,453	884,624	883,793	882,960	882,125	881,287	880,447	879,605	878,760
63,6	886,871	886,046	885,220	884,391	883,560	882,726	881,891	881,053	880,212	879,370	878,525
63,7	886,638	885,813	884,987	884,158	883,326	882,493	881,657	880,818	879,978	879,135	878,290
63,8	886,405	885,580	884,753	883,924	883,092	882,259	881,422	880,584	879,743	878,900	878,055
63,9	886,172	885,347	884,520	883,690	882,859	882,024	881,188	880,349	879,508	878,665	877,820
64,0	885,939	885,114	884,287	883,457	882,625	881,790	880,954	880,115	879,274	878,430	877,584
64,1	885,706	884,881	884,053	883,223	882,391	881,556	880,719	879,880	879,039	878,195	877,349
64,2	885,473	884,648	883,820	882,989	882,157	881,322	880,485	879,645	878,804	877,960	877,114
64,3	885,240	884,414	883,586	882,755	881,923	881,087	880,250	879,411	878,569	877,725	876,878
64,4	885,007	884,181	883,352	882,521	881,688	880,853	880,015	879,176	878,334	877,489	876,643
64,5	884,774	883,947	883,118	882,287	881,454	880,619	879,781	878,941	878,098	877,254	876,407
64,6	884,540	883,713	882,884	882,053	881,220	880,384	879,546	878,706	877,863	877,018	876,171
64,7	884,307	883,480	882,651	881,819	880,985	880,149	879,311	878,471	877,628	876,783	875,935
64,8	884,073	883,246	882,417	881,585	880,751	879,915	879,076	878,235	877,392	876,547	875,700
64,9	883,840	883,012	882,182	881,350	880,516	879,680	878,841	878,000	877,157	876,311	875,464

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
65,0	883,606	882,778	881,948	881,116	880,282	879,445	878,606	877,765	876,921	876,076	875,228
65,1	883,372	882,544	881,714	880,882	880,047	879,210	878,371	877,529	876,686	875,840	874,992
65,2	883,138	882,310	881,480	880,647	879,812	878,975	878,135	877,294	876,450	875,604	874,756
65,3	882,904	882,076	881,245	880,412	879,577	878,740	877,900	877,058	876,214	875,368	874,519
65,4	882,670	881,842	881,011	880,178	879,342	878,505	877,665	876,823	875,978	875,132	874,283
65,5	882,436	881,607	880,776	879,943	879,107	878,269	877,429	876,587	875,742	874,896	874,047
65,6	882,202	881,373	880,542	879,708	878,872	878,034	877,194	876,351	875,506	874,659	873,810
65,7	881,968	881,139	880,307	879,473	878,637	877,799	876,958	876,115	875,270	874,423	873,574
65,8	881,734	880,904	880,072	879,238	878,402	877,563	876,722	875,879	875,034	874,187	873,337
65,9	881,499	880,669	879,837	879,003	878,166	877,328	876,487	875,643	874,798	873,950	873,101
66,0	881,265	880,435	879,602	878,768	877,931	877,092	876,251	875,407	874,562	873,714	872,864
66,1	881,030	880,200	879,367	878,533	877,696	876,856	876,015	875,171	874,325	873,477	872,627
66,2	880,796	879,965	879,132	878,297	877,460	876,621	875,779	874,935	874,089	873,241	872,390
66,3	880,561	879,730	878,897	878,062	877,224	876,385	875,543	874,699	873,853	873,004	872,153
66,4	880,326	879,495	878,662	877,826	876,989	876,149	875,307	874,462	873,616	872,767	871,916
66,5	880,091	879,260	878,427	877,591	876,753	875,913	875,071	874,226	873,379	872,530	871,679
66,6	879,856	879,025	878,191	877,355	876,517	875,677	874,834	873,990	873,143	872,294	871,442
66,7	879,621	878,790	877,956	877,120	876,281	875,441	874,598	873,753	872,906	872,057	871,205
66,8	879,386	878,554	877,720	876,884	876,045	875,204	874,361	873,516	872,669	871,820	870,968
66,9	879,151	878,319	877,485	876,648	875,809	874,968	874,125	873,280	872,432	871,582	870,731
67,0	878,916	878,084	877,249	876,412	875,573	874,732	873,888	873,043	872,195	871,345	870,493
67,1	878,681	877,848	877,013	876,176	875,337	874,495	873,652	872,806	871,958	871,108	870,256
67,2	878,445	877,613	876,777	875,940	875,101	874,259	873,415	872,569	871,721	870,871	870,018
67,3	878,210	877,377	876,542	875,704	874,864	874,022	873,178	872,332	871,484	870,633	869,781
67,4	877,975	877,141	876,306	875,468	874,628	873,786	872,942	872,095	871,247	870,396	869,543
67,5	877,739	876,905	876,070	875,232	874,391	873,549	872,705	871,858	871,009	870,158	869,305
67,6	877,503	876,669	875,833	874,995	874,155	873,312	872,468	871,621	870,772	869,921	869,067
67,7	877,268	876,434	875,597	874,759	873,918	873,076	872,231	871,384	870,534	869,683	868,830
67,8	877,032	876,197	875,361	874,522	873,682	872,839	871,993	871,146	870,297	869,445	868,592
67,9	876,796	875,961	875,125	874,286	873,445	872,602	871,756	870,909	870,059	869,208	868,354
68,0	876,560	875,725	874,888	874,049	873,208	872,365	871,519	870,671	869,822	868,970	868,116
68,1	876,324	875,489	874,652	873,813	872,971	872,127	871,282	870,434	869,584	868,732	867,877
68,2	876,088	875,253	874,415	873,576	872,734	871,890	871,044	870,196	869,346	868,494	867,639
68,3	875,852	875,016	874,179	873,339	872,497	871,653	870,807	869,959	869,108	868,256	867,401
68,4	875,615	874,780	873,942	873,102	872,260	871,416	870,569	869,721	868,870	868,018	867,163
68,5	875,379	874,543	873,705	872,865	872,023	871,178	870,332	869,483	868,632	867,779	866,924
68,6	875,143	874,307	873,468	872,628	871,785	870,941	870,094	869,245	868,394	867,541	866,686
68,7	874,906	874,070	873,231	872,391	871,548	870,703	869,856	869,007	868,156	867,303	866,447
68,8	874,670	873,833	872,995	872,154	871,311	870,466	869,618	868,769	867,918	867,064	866,209
68,9	874,433	873,596	872,757	871,916	871,073	870,228	869,381	868,531	867,679	866,826	865,970
69,0	874,196	873,359	872,520	871,679	870,836	869,990	869,143	868,293	867,441	866,587	865,731
69,1	873,960	873,122	872,283	871,442	870,598	869,752	868,905	868,055	867,203	866,349	865,492
69,2	873,723	872,885	872,046	871,204	870,360	869,515	868,667	867,816	866,964	866,110	865,254
69,3	873,486	872,648	871,809	870,967	870,123	869,277	868,428	867,578	866,726	865,871	865,015
69,4	873,249	872,411	871,571	870,729	869,885	869,039	868,190	867,340	866,487	865,632	864,776
69,5	873,012	872,174	871,334	870,491	869,647	868,800	867,952	867,101	866,248	865,394	864,537
69,6	872,775	871,937	871,096	870,254	869,409	868,562	867,713	866,863	866,010	865,155	864,297
69,7	872,538	871,699	870,859	870,016	869,171	868,324	867,475	866,624	865,771	864,916	864,058
69,8	872,300	871,462	870,621	869,778	868,933	868,086	867,237	866,385	865,532	864,676	863,819
69,9	872,063	871,224	870,383	869,540	868,695	867,847	866,998	866,146	865,293	864,437	863,580

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
70,0	871,826	870,986	870,145	869,302	868,456	867,609	866,759	865,908	865,054	864,198	863,340
70,1	871,588	870,749	869,907	869,064	868,218	867,370	866,521	865,669	864,815	863,959	863,101
70,2	871,351	870,511	869,669	868,826	867,980	867,132	866,282	865,430	864,576	863,719	862,861
70,3	871,113	870,273	869,431	868,587	867,741	866,893	866,043	865,191	864,336	863,480	862,622
70,4	870,875	870,035	869,193	868,349	867,503	866,654	865,804	864,952	864,097	863,241	862,382
70,5	870,637	869,797	868,955	868,111	867,264	866,416	865,565	864,712	863,858	863,001	862,142
70,6	870,400	869,559	868,717	867,872	867,026	866,177	865,326	864,473	863,618	862,761	861,902
70,7	870,162	869,321	868,478	867,634	866,787	865,938	865,087	864,234	863,379	862,522	861,663
70,8	869,924	869,083	868,240	867,395	866,548	865,699	864,848	863,994	863,139	862,282	861,423
70,9	869,686	868,845	868,001	867,156	866,309	865,460	864,608	863,755	862,900	862,042	861,183
71,0	869,447	868,606	867,763	866,918	866,070	865,221	864,369	863,516	862,660	861,802	860,943
71,1	869,209	868,368	867,524	866,679	865,831	864,981	864,130	863,276	862,420	861,562	860,702
71,2	868,971	868,129	867,286	866,440	865,592	864,742	863,890	863,036	862,180	861,322	860,462
71,3	868,733	867,891	867,047	866,201	865,353	864,503	863,651	862,797	861,940	861,082	860,222
71,4	868,494	867,652	866,808	865,962	865,114	864,263	863,411	862,557	861,700	860,842	859,982
71,5	868,256	867,413	866,569	865,723	864,874	864,024	863,171	862,317	861,460	860,602	859,741
71,6	868,017	867,175	866,330	865,484	864,635	863,784	862,932	862,077	861,220	860,362	859,501
71,7	867,778	866,936	866,091	865,244	864,396	863,545	862,692	861,837	860,980	860,121	859,260
71,8	867,540	866,697	865,852	865,005	864,156	863,305	862,452	861,597	860,740	859,881	859,020
71,9	867,301	866,458	865,613	864,766	863,916	863,065	862,212	861,357	860,500	859,640	858,779
72,0	867,062	866,219	865,373	864,526	863,677	862,825	861,972	861,117	860,259	859,400	858,538
72,1	866,823	865,980	865,134	864,287	863,437	862,586	861,732	860,876	860,019	859,159	858,298
72,2	866,584	865,740	864,895	864,047	863,197	862,346	861,492	860,636	859,778	858,918	858,057
72,3	866,345	865,501	864,655	863,807	862,957	862,106	861,252	860,396	859,538	858,678	857,816
72,4	866,106	865,262	864,416	863,568	862,718	861,865	861,011	860,155	859,297	858,437	857,575
72,5	865,866	865,022	864,176	863,328	862,478	861,625	860,771	859,915	859,056	858,196	857,334
72,6	865,627	864,783	863,936	863,088	862,237	861,385	860,530	859,674	858,815	857,955	857,093
72,7	865,388	864,543	863,697	862,848	861,997	861,145	860,290	859,433	858,575	857,714	856,851
72,8	865,148	864,303	863,457	862,608	861,757	860,904	860,049	859,192	858,334	857,473	856,610
72,9	864,909	864,064	863,217	862,368	861,517	860,664	859,809	858,952	858,093	857,232	856,369
73,0	864,669	863,824	862,977	862,128	861,276	860,423	859,568	858,711	857,852	856,990	856,127
73,1	864,429	863,584	862,737	861,887	861,036	860,183	859,327	858,470	857,610	856,749	855,886
73,2	864,189	863,344	862,497	861,647	860,795	859,942	859,086	858,229	857,369	856,508	855,644
73,3	863,950	863,104	862,256	861,407	860,555	859,701	858,845	857,988	857,128	856,266	855,403
73,4	863,710	862,864	862,016	861,166	860,314	859,460	858,604	857,746	856,887	856,025	855,161
73,5	863,470	862,624	861,776	860,926	860,073	859,219	858,363	857,505	856,645	855,783	854,919
73,6	863,230	862,383	861,535	860,685	859,833	858,978	858,122	857,264	856,404	855,542	854,677
73,7	862,989	862,143	861,295	860,444	859,592	858,737	857,881	857,023	856,162	855,300	854,436
73,8	862,749	861,903	861,054	860,203	859,351	858,496	857,640	856,781	855,921	855,058	854,194
73,9	862,509	861,662	860,813	859,963	859,110	858,255	857,398	856,540	855,679	854,816	853,952
74,0	862,268	861,421	860,573	859,722	858,869	858,014	857,157	856,298	855,437	854,574	853,709
74,1	862,028	861,181	860,332	859,481	858,628	857,772	856,915	856,056	855,195	854,332	853,467
74,2	861,787	860,940	860,091	859,240	858,386	857,531	856,674	855,814	854,953	854,090	853,225
74,3	861,547	860,699	859,850	858,998	858,145	857,289	856,432	855,573	854,711	853,848	852,983
74,4	861,306	860,458	859,609	858,757	857,904	857,048	856,190	855,331	854,469	853,606	852,740
74,5	861,065	860,217	859,368	858,516	857,662	856,806	855,949	855,089	854,227	853,363	852,498
74,6	860,824	859,976	859,126	858,274	857,420	856,565	855,707	854,847	853,985	853,121	852,255
74,7	860,583	859,735	858,885	858,033	857,179	856,323	855,465	854,605	853,743	852,879	852,013
74,8	860,342	859,494	858,644	857,791	856,937	856,081	855,223	854,362	853,500	852,636	851,770
74,9	860,101	859,253	858,402	857,550	856,695	855,839	854,981	854,120	853,258	852,394	851,527

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
75,0	859,860	859,011	858,161	857,308	856,453	855,597	854,738	853,878	853,015	852,151	851,285
75,1	859,619	858,770	857,919	857,066	856,212	855,355	854,496	853,635	852,773	851,908	851,042
75,2	859,377	858,528	857,677	856,824	855,970	855,113	854,254	853,393	852,530	851,665	850,799
75,3	859,136	858,287	857,436	856,582	855,727	854,870	854,011	853,150	852,287	851,422	850,556
75,4	858,894	858,045	857,194	856,340	855,485	854,628	853,769	852,908	852,045	851,180	850,313
75,5	858,653	857,803	856,952	856,098	855,243	854,386	853,526	852,665	851,802	850,936	850,069
75,6	858,411	857,561	856,710	855,856	855,001	854,143	853,284	852,422	851,559	850,693	849,826
75,7	858,169	857,319	856,468	855,614	854,758	853,900	853,041	852,179	851,316	850,450	849,583
75,8	857,927	857,077	856,225	855,372	854,516	853,658	852,798	851,936	851,073	850,207	849,339
75,9	857,685	856,835	855,983	855,129	854,273	853,415	852,555	851,693	850,829	849,964	849,096
76,0	857,443	856,593	855,741	854,887	854,030	853,172	852,312	851,450	850,586	849,720	848,852
76,1	857,201	856,351	855,498	854,644	853,788	852,929	852,069	851,207	850,343	849,477	848,609
76,2	856,959	856,108	855,256	854,401	853,545	852,686	851,826	850,964	850,099	849,233	848,365
76,3	856,716	855,866	855,013	854,158	853,302	852,443	851,583	850,720	849,856	848,989	848,121
76,4	856,474	855,623	854,770	853,916	853,059	852,200	851,339	850,477	849,612	848,746	847,877
76,5	856,232	855,381	854,528	853,673	852,816	851,957	851,096	850,233	849,368	848,502	847,633
76,6	855,989	855,138	854,285	853,430	852,573	851,713	850,852	849,990	849,125	848,258	847,389
76,7	855,746	854,895	854,042	853,186	852,329	851,470	850,609	849,746	848,881	848,014	847,145
76,8	855,503	854,652	853,799	852,943	852,086	851,227	850,365	849,502	848,637	847,770	846,901
76,9	855,261	854,409	853,555	852,700	851,842	850,983	850,122	849,258	848,393	847,526	846,657
77,0	855,018	854,166	853,312	852,457	851,599	850,739	849,878	849,014	848,149	847,281	846,412
77,1	854,775	853,923	853,069	852,213	851,355	850,496	849,634	848,770	847,905	847,037	846,168
77,2	854,531	853,679	852,825	851,969	851,112	850,252	849,390	848,526	847,660	846,793	845,923
77,3	854,288	853,436	852,582	851,726	850,868	850,008	849,146	848,282	847,416	846,548	845,678
77,4	854,045	853,193	852,338	851,482	850,624	849,764	848,902	848,038	847,172	846,304	845,434
77,5	853,801	852,949	852,095	851,238	850,380	849,520	848,657	847,793	846,927	846,059	845,189
77,6	853,558	852,705	851,851	850,994	850,136	849,275	848,413	847,549	846,682	845,814	844,944
77,7	853,314	852,461	851,607	850,750	849,892	849,031	848,168	847,304	846,438	845,569	844,699
77,8	853,070	852,218	851,363	850,506	849,647	848,787	847,924	847,059	846,193	845,324	844,454
77,9	852,827	851,974	851,119	850,262	849,403	848,542	847,679	846,815	845,948	845,079	844,209
78,0	852,583	851,730	850,874	850,017	849,158	848,297	847,435	846,570	845,703	844,834	843,964
78,1	852,339	851,485	850,630	849,773	848,914	848,053	847,190	846,325	845,458	844,589	843,718
78,2	852,094	851,241	850,386	849,528	848,669	847,808	846,945	846,080	845,213	844,344	843,473
78,3	851,850	850,997	850,141	849,284	848,424	847,563	846,700	845,835	844,967	844,098	843,227
78,4	851,606	850,752	849,897	849,039	848,180	847,318	846,455	845,589	844,722	843,853	842,982
78,5	851,361	850,508	849,652	848,794	847,935	847,073	846,209	845,344	844,477	843,607	842,736
78,6	851,117	850,263	849,407	848,549	847,689	846,828	845,964	845,099	844,231	843,362	842,490
78,7	850,872	850,018	849,162	848,304	847,444	846,582	845,719	844,853	843,985	843,116	842,244
78,8	850,627	849,773	848,917	848,059	847,199	846,337	845,473	844,607	843,740	842,870	841,998
78,9	850,382	849,528	848,672	847,814	846,954	846,092	845,228	844,362	843,494	842,624	841,752
79,0	850,137	849,283	848,427	847,568	846,708	845,846	844,982	844,116	843,248	842,378	841,506
79,1	849,892	849,038	848,181	847,323	846,463	845,600	844,736	843,870	843,002	842,132	841,260
79,2	849,647	848,792	847,936	847,077	846,217	845,354	844,490	843,624	842,756	841,885	841,013
79,3	849,402	848,547	847,690	846,832	845,971	845,109	844,244	843,378	842,509	841,639	840,767
79,4	849,156	848,301	847,445	846,586	845,725	844,862	843,998	843,131	842,263	841,393	840,520
79,5	848,911	848,056	847,199	846,340	845,479	844,616	843,752	842,885	842,017	841,146	840,274
79,6	848,665	847,810	846,953	846,094	845,233	844,370	843,505	842,639	841,770	840,899	840,027
79,7	848,419	847,564	846,707	845,848	844,987	844,124	843,259	842,392	841,523	840,653	839,780
79,8	848,173	847,318	846,461	845,601	844,740	843,877	843,012	842,145	841,276	840,406	839,533
79,9	847,927	847,072	846,214	845,355	844,494	843,631	842,766	841,899	841,030	840,159	839,286

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
80,0	847,681	846,826	845,968	845,109	844,247	843,384	842,519	841,652	840,783	839,912	839,039
80,1	847,435	846,579	845,722	844,862	844,001	843,137	842,272	841,405	840,535	839,664	838,791
80,2	847,188	846,333	845,475	844,615	843,754	842,890	842,025	841,157	840,288	839,417	838,544
80,3	846,942	846,086	845,228	844,368	843,507	842,643	841,778	840,910	840,041	839,169	838,296
80,4	846,695	845,839	844,981	844,121	843,260	842,396	841,530	840,663	839,793	838,922	838,049
80,5	846,449	845,592	844,734	843,874	843,012	842,149	841,283	840,415	839,546	838,674	837,801
80,6	846,202	845,345	844,487	843,627	842,765	841,901	841,035	840,168	839,298	838,426	837,553
80,7	845,955	845,098	844,240	843,380	842,518	841,654	840,788	839,920	839,050	838,179	837,305
80,8	845,707	844,851	843,993	843,132	842,270	841,406	840,540	839,672	838,802	837,930	837,057
80,9	845,460	844,604	843,745	842,885	842,022	841,158	840,292	839,424	838,554	837,682	836,809
81,0	845,213	844,356	843,497	842,637	841,775	840,910	840,044	839,176	838,306	837,434	836,560
81,1	844,965	844,108	843,250	842,389	841,527	840,662	839,796	838,928	838,058	837,186	836,312
81,2	844,717	843,861	843,002	842,141	841,279	840,414	839,548	838,679	837,809	836,937	836,063
81,3	844,470	843,613	842,754	841,893	841,030	840,166	839,299	838,431	837,561	836,688	835,814
81,4	844,222	843,364	842,506	841,645	840,782	839,917	839,051	838,182	837,312	836,440	835,565
81,5	843,973	843,116	842,257	841,396	840,534	839,669	838,802	837,934	837,063	836,191	835,316
81,6	843,725	842,868	842,009	841,148	840,285	839,420	838,553	837,685	836,814	835,942	835,067
81,7	843,477	842,619	841,760	840,899	840,036	839,171	838,304	837,436	836,565	835,693	834,818
81,8	843,228	842,371	841,511	840,650	839,787	838,922	838,055	837,187	836,316	835,443	834,569
81,9	842,980	842,122	841,263	840,401	839,538	838,673	837,806	836,937	836,067	835,194	834,319
82,0	842,731	841,873	841,014	840,152	839,289	838,424	837,557	836,688	835,817	834,944	834,070
82,1	842,482	841,624	840,764	839,903	839,040	838,175	837,307	836,438	835,568	834,695	833,820
82,2	842,233	841,375	840,515	839,654	838,790	837,925	837,058	836,189	835,318	834,445	833,570
82,3	841,983	841,125	840,266	839,404	838,541	837,675	836,808	835,939	835,068	834,195	833,320
82,4	841,734	840,876	840,016	839,154	838,291	837,425	836,558	835,689	834,818	833,945	833,070
82,5	841,484	840,626	839,766	838,905	838,041	837,175	836,308	835,439	834,568	833,695	832,819
82,6	841,235	840,376	839,516	838,655	837,791	836,925	836,058	835,189	834,317	833,444	832,569
82,7	840,985	840,126	839,266	838,404	837,541	836,675	835,808	834,938	834,067	833,194	832,318
82,8	840,735	839,876	839,016	838,154	837,290	836,425	835,557	834,688	833,816	832,943	832,068
82,9	840,484	839,626	838,766	837,904	837,040	836,174	835,306	834,437	833,565	832,692	831,817
83,0	840,234	839,375	838,515	837,653	836,789	835,923	835,056	834,186	833,315	832,441	831,566
83,1	839,983	839,125	838,265	837,402	836,538	835,672	834,805	833,935	833,063	832,190	831,315
83,2	839,733	838,874	838,014	837,151	836,287	835,421	834,554	833,684	832,812	831,939	831,063
83,3	839,482	838,623	837,763	836,900	836,036	835,170	834,302	833,433	832,561	831,687	830,812
83,4	839,231	838,372	837,511	836,649	835,785	834,919	834,051	833,181	832,309	831,436	830,560
83,5	838,980	838,121	837,260	836,398	835,533	834,667	833,799	832,929	832,058	831,184	830,308
83,6	838,728	837,869	837,009	836,146	835,282	834,416	833,548	832,678	831,806	830,932	830,056
83,7	838,477	837,618	836,757	835,894	835,030	834,164	833,296	832,426	831,554	830,680	829,804
83,8	838,225	837,366	836,505	835,642	834,778	833,912	833,044	832,174	831,302	830,428	829,552
83,9	837,973	837,114	836,253	835,390	834,526	833,659	832,791	831,921	831,049	830,175	829,300
84,0	837,721	836,862	836,001	835,138	834,273	833,407	832,539	831,669	830,797	829,923	829,047
84,1	837,469	836,609	835,748	834,886	834,021	833,155	832,286	831,416	830,544	829,670	828,794
84,2	837,216	836,357	835,496	834,633	833,768	832,902	832,033	831,163	830,291	829,417	828,541
84,3	836,964	836,104	835,243	834,380	833,515	832,649	831,781	830,910	830,038	829,164	828,288
84,4	836,711	835,851	834,990	834,127	833,262	832,396	831,527	830,657	829,785	828,911	828,035
84,5	836,458	835,598	834,737	833,874	833,009	832,143	831,274	830,404	829,532	828,658	827,782
84,6	836,205	835,345	834,484	833,621	832,756	831,889	831,021	830,150	829,278	828,404	827,528
84,7	835,951	835,092	834,230	833,367	832,502	831,636	830,767	829,897	829,024	828,150	827,274
84,8	835,698	834,838	833,977	833,113	832,248	831,382	830,513	829,643	828,771	827,896	827,020
84,9	835,444	834,584	833,723	832,859	831,994	831,128	830,259	829,389	828,516	827,642	826,766



**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
85,0	835,190	834,330	833,469	832,605	831,740	830,874	830,005	829,134	828,262	827,388	826,512
85,1	834,936	834,076	833,214	832,351	831,486	830,619	829,751	828,880	828,008	827,134	826,258
85,2	834,681	833,821	832,960	832,097	831,231	830,365	829,496	828,625	827,753	826,879	826,003
85,3	834,427	833,567	832,705	831,842	830,977	830,110	829,241	828,371	827,498	826,624	825,748
85,4	834,172	833,312	832,450	831,587	830,722	829,855	828,986	828,116	827,243	826,369	825,493
85,5	833,917	833,057	832,195	831,332	830,467	829,600	828,731	827,860	826,988	826,114	825,238
85,6	833,662	832,802	831,940	831,077	830,211	829,344	828,476	827,605	826,733	825,858	824,982
85,7	833,407	832,546	831,685	830,821	829,956	829,089	828,220	827,349	826,477	825,603	824,727
85,8	833,151	832,291	831,429	830,565	829,700	828,833	827,964	827,094	826,221	825,347	824,471
85,9	832,895	832,035	831,173	830,310	829,444	828,577	827,708	826,838	825,965	825,091	824,215
86,0	832,639	831,779	830,917	830,053	829,188	828,321	827,452	826,581	825,709	824,835	823,959
86,1	832,383	831,523	830,661	829,797	828,932	828,065	827,196	826,325	825,453	824,578	823,702
86,2	832,126	831,266	830,404	829,541	828,675	827,808	826,939	826,068	825,196	824,322	823,446
86,3	831,870	831,009	830,147	829,284	828,418	827,551	826,682	825,812	824,939	824,065	823,189
86,4	831,613	830,753	829,891	829,027	828,161	827,294	826,425	825,555	824,682	823,808	822,932
86,5	831,356	830,495	829,633	828,770	827,904	827,037	826,168	825,297	824,425	823,551	822,675
86,6	831,099	830,238	829,376	828,512	827,647	826,779	825,911	825,040	824,168	823,293	822,417
86,7	830,841	829,980	829,118	828,255	827,389	826,522	825,653	824,782	823,910	823,036	822,160
86,8	830,583	829,723	828,860	827,997	827,131	826,264	825,395	824,524	823,652	822,778	821,902
86,9	830,325	829,465	828,602	827,739	826,873	826,006	825,137	824,266	823,394	822,520	821,644
87,0	830,067	829,206	828,344	827,480	826,615	825,747	824,879	824,008	823,136	822,261	821,385
87,1	829,808	828,948	828,086	827,222	826,356	825,489	824,620	823,749	822,877	822,003	821,127
87,2	829,550	828,689	827,827	826,963	826,097	825,230	824,361	823,490	822,618	821,744	820,868
87,3	829,291	828,430	827,568	826,704	825,838	824,971	824,102	823,231	822,359	821,485	820,609
87,4	829,032	828,171	827,309	826,445	825,579	824,712	823,843	822,972	822,100	821,226	820,350
87,5	828,772	827,911	827,049	826,185	825,319	824,452	823,583	822,713	821,840	820,966	820,091
87,6	828,512	827,652	826,789	825,925	825,060	824,192	823,324	822,453	821,581	820,707	819,831
87,7	828,253	827,392	826,529	825,665	824,800	823,932	823,064	822,193	821,321	820,447	819,571
87,8	827,992	827,131	826,269	825,405	824,539	823,672	822,803	821,933	821,061	820,187	819,311
87,9	827,732	826,871	826,009	825,145	824,279	823,412	822,543	821,672	820,800	819,926	819,051
88,0	827,471	826,610	825,748	824,884	824,018	823,151	822,282	821,412	820,540	819,666	818,790
88,1	827,210	826,349	825,487	824,623	823,757	822,890	822,021	821,151	820,279	819,405	818,529
88,2	826,949	826,088	825,226	824,362	823,496	822,629	821,760	820,889	820,017	819,144	818,268
88,3	826,688	825,827	824,964	824,100	823,234	822,367	821,498	820,628	819,756	818,882	818,007
88,4	826,426	825,565	824,702	823,838	822,973	822,106	821,237	820,366	819,494	818,621	817,745
88,5	826,164	825,303	824,440	823,576	822,711	821,844	820,975	820,104	819,232	818,359	817,484
88,6	825,902	825,041	824,178	823,314	822,448	821,581	820,713	819,842	818,970	818,097	817,222
88,7	825,639	824,778	823,916	823,052	822,186	821,319	820,450	819,580	818,708	817,834	816,959
88,8	825,376	824,515	823,653	822,789	821,923	821,056	820,187	819,317	818,445	817,572	816,697
88,9	825,113	824,252	823,390	822,526	821,660	820,793	819,924	819,054	818,182	817,309	816,434
89,0	824,850	823,989	823,126	822,262	821,397	820,530	819,661	818,791	817,919	817,046	816,171
89,1	824,586	823,725	822,863	821,999	821,133	820,266	819,397	818,527	817,655	816,782	815,907
89,2	824,322	823,461	822,599	821,735	820,869	820,002	819,133	818,263	817,392	816,519	815,644
89,3	824,058	823,197	822,335	821,471	820,605	819,738	818,869	817,999	817,128	816,255	815,380
89,4	823,794	822,933	822,070	821,206	820,340	819,473	818,605	817,735	816,863	815,990	815,116
89,5	823,529	822,668	821,805	820,941	820,076	819,209	818,340	817,470	816,599	815,726	814,851
89,6	823,264	822,403	821,540	820,676	819,811	818,944	818,075	817,205	816,334	815,461	814,587
89,7	822,999	822,138	821,275	820,411	819,545	818,678	817,810	816,940	816,069	815,196	814,322
89,8	822,733	821,872	821,009	820,145	819,280	818,413	817,544	816,675	815,803	814,931	814,056
89,9	822,467	821,606	820,743	819,879	819,014	818,147	817,279	816,409	815,538	814,665	813,791

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - hmotnostný zlomok etanolu [%]	teplota merania "t" [°C]										
	15	16	17	18	19	20	21	22	23	24	25
90,0	822,201	821,340	820,477	819,613	818,748	817,881	817,013	816,143	815,272	814,399	813,525
90,1	821,934	821,073	820,211	819,347	818,481	817,614	816,746	815,876	815,005	814,133	813,259
90,2	821,668	820,806	819,944	819,080	818,214	817,348	816,479	815,610	814,739	813,866	812,992
90,3	821,400	820,539	819,677	818,813	817,947	817,081	816,212	815,343	814,472	813,599	812,726
90,4	821,133	820,272	819,409	818,545	817,680	816,813	815,945	815,076	814,205	813,332	812,459
90,5	820,865	820,004	819,142	818,278	817,412	816,546	815,677	814,808	813,937	813,065	812,191
90,6	820,597	819,736	818,874	818,010	817,144	816,278	815,410	814,540	813,669	812,797	811,924
90,7	820,329	819,468	818,605	817,741	816,876	816,009	815,141	814,272	813,401	812,529	811,656
90,8	820,060	819,199	818,337	817,473	816,607	815,741	814,873	814,004	813,133	812,261	811,388
90,9	819,791	818,930	818,068	817,204	816,338	815,472	814,604	813,735	812,864	811,992	811,119
91,0	819,522	818,661	817,798	816,934	816,069	815,203	814,335	813,466	812,595	811,723	810,850
91,1	819,252	818,391	817,529	816,665	815,800	814,933	814,065	813,196	812,326	811,454	810,581
91,2	818,982	818,121	817,259	816,395	815,530	814,663	813,795	812,926	812,056	811,185	810,312
91,3	818,712	817,851	816,988	816,125	815,259	814,393	813,525	812,656	811,786	810,915	810,042
91,4	818,441	817,580	816,718	815,854	814,989	814,123	813,255	812,386	811,516	810,644	809,772
91,5	818,170	817,309	816,447	815,583	814,718	813,852	812,984	812,115	811,245	810,374	809,501
91,6	817,899	817,038	816,176	815,312	814,447	813,580	812,713	811,844	810,974	810,103	809,231
91,7	817,627	816,766	815,904	815,040	814,175	813,309	812,442	811,573	810,703	809,832	808,960
91,8	817,355	816,494	815,632	814,768	813,903	813,037	812,170	811,301	810,431	809,560	808,688
91,9	817,083	816,222	815,360	814,496	813,631	812,765	811,898	811,029	810,159	809,288	808,416
92,0	816,810	815,949	815,087	814,223	813,358	812,492	811,625	810,757	809,887	809,016	808,144
92,1	816,537	815,676	814,814	813,950	813,086	812,219	811,352	810,484	809,614	808,744	807,872
92,2	816,264	815,403	814,541	813,677	812,812	811,946	811,079	810,211	809,341	808,471	807,599
92,3	815,990	815,129	814,267	813,403	812,539	811,673	810,806	809,937	809,068	808,198	807,326
92,4	815,716	814,855	813,993	813,129	812,265	811,399	810,532	809,664	808,794	807,924	807,053
92,5	815,442	814,581	813,718	812,855	811,990	811,124	810,257	809,389	808,520	807,650	806,779
92,6	815,167	814,306	813,444	812,580	811,715	810,850	809,983	809,115	808,246	807,376	806,505
92,7	814,892	814,031	813,168	812,305	811,440	810,575	809,708	808,840	807,971	807,101	806,230
92,8	814,616	813,755	812,893	812,029	811,165	810,299	809,433	808,565	807,696	806,826	805,955
92,9	814,340	813,479	812,617	811,754	810,889	810,024	809,157	808,289	807,420	806,551	805,680
93,0	814,064	813,203	812,341	811,477	810,613	809,747	808,881	808,013	807,145	806,275	805,404
93,1	813,787	812,926	812,064	811,201	810,336	809,471	808,604	807,737	806,868	805,999	805,128
93,2	813,510	812,649	811,787	810,924	810,059	809,194	808,328	807,460	806,592	805,722	804,852
93,3	813,232	812,372	811,509	810,646	809,782	808,917	808,050	807,183	806,315	805,445	804,575
93,4	812,955	812,094	811,232	810,369	809,504	808,639	807,773	806,905	806,037	805,168	804,298
93,5	812,676	811,815	810,953	810,090	809,226	808,361	807,495	806,628	805,759	804,890	804,021
93,6	812,398	811,537	810,675	809,812	808,948	808,082	807,216	806,349	805,481	804,612	803,743
93,7	812,118	811,258	810,396	809,533	808,669	807,804	806,938	806,071	805,203	804,334	803,464
93,8	811,839	810,978	810,116	809,253	808,389	807,524	806,658	805,792	804,924	804,055	803,186
93,9	811,559	810,698	809,837	808,974	808,110	807,245	806,379	805,512	804,644	803,776	802,907
94,0	811,279	810,418	809,556	808,693	807,830	806,965	806,099	805,232	804,365	803,496	802,627
94,1	810,998	810,137	809,276	808,413	807,549	806,684	805,819	804,952	804,085	803,216	802,347
94,2	810,717	809,856	808,995	808,132	807,268	806,403	805,538	804,671	803,804	802,936	802,067
94,3	810,435	809,575	808,713	807,850	806,987	806,122	805,257	804,390	803,523	802,655	801,786
94,4	810,153	809,293	808,431	807,568	806,705	805,840	804,975	804,109	803,242	802,374	801,505
94,5	809,871	809,010	808,149	807,286	806,423	805,558	804,693	803,827	802,960	802,092	801,224
94,6	809,588	808,728	807,866	807,003	806,140	805,276	804,410	803,544	802,677	801,810	800,942
94,7	809,305	808,444	807,583	806,720	805,857	804,993	804,127	803,261	802,395	801,527	800,659
94,8	809,021	808,161	807,299	806,437	805,573	804,709	803,844	802,978	802,112	801,244	800,376
94,9	808,737	807,876	807,015	806,153	805,289	804,425	803,560	802,695	801,828	800,961	800,093

**Hustota roztoku etanolu a vody "ρ"**  
pre hmotnostný zlomok etanolu "w<sub>E</sub>" a teplotu "t"

"w <sub>E</sub> " - [%]	hmotnostný zlomok etanolu			teplota merania "t" [°C]								
	15	16	17	18	19	20	21	22	23	24	25	
95,0	808,452	807,592	806,730	805,868	805,005	804,141	803,276	802,410	801,544	800,677	799,809	
95,1	808,167	807,307	806,445	805,583	804,720	803,856	802,991	802,126	801,260	800,393	799,525	
95,2	807,881	807,021	806,160	805,298	804,435	803,571	802,706	801,841	800,975	800,108	799,241	
95,3	807,595	806,735	805,874	805,012	804,149	803,285	802,421	801,555	800,689	799,823	798,956	
95,4	807,309	806,449	805,588	804,726	803,863	802,999	802,135	801,269	800,404	799,537	798,670	
95,5	807,022	806,162	805,301	804,439	803,576	802,712	801,848	800,983	800,117	799,251	798,384	
95,6	806,734	805,874	805,013	804,152	803,289	802,425	801,561	800,696	799,831	798,965	798,098	
95,7	806,446	805,586	804,725	803,864	803,001	802,138	801,274	800,409	799,543	798,677	797,811	
95,8	806,158	805,298	804,437	803,576	802,713	801,850	800,986	800,121	799,256	798,390	797,524	
95,9	805,869	805,009	804,148	803,287	802,424	801,561	800,697	799,833	798,968	798,102	797,236	
96,0	805,579	804,720	803,859	802,998	802,135	801,272	800,408	799,544	798,679	797,813	796,947	
96,1	805,289	804,430	803,569	802,708	801,846	800,983	800,119	799,255	798,390	797,525	796,659	
96,2	804,999	804,139	803,279	802,418	801,555	800,693	799,829	798,965	798,100	797,235	796,369	
96,3	804,708	803,848	802,988	802,127	801,265	800,402	799,539	798,675	797,810	796,945	796,080	
96,4	804,416	803,557	802,697	801,836	800,974	800,111	799,248	798,384	797,520	796,655	795,789	
96,5	804,124	803,265	802,405	801,544	800,682	799,820	798,956	798,093	797,228	796,364	795,498	
96,6	803,831	802,972	802,112	801,251	800,390	799,527	798,664	797,801	796,937	796,072	795,207	
96,7	803,538	802,679	801,819	800,959	800,097	799,235	798,372	797,509	796,645	795,780	794,915	
96,8	803,244	802,386	801,526	800,665	799,804	798,942	798,079	797,216	796,352	795,488	794,623	
96,9	802,950	802,091	801,232	800,371	799,510	798,648	797,785	796,922	796,059	795,195	794,330	
97,0	802,655	801,797	800,937	800,077	799,216	798,354	797,491	796,628	795,765	794,901	794,037	
97,1	802,360	801,501	800,642	799,782	798,921	798,059	797,197	796,334	795,471	794,607	793,743	
97,2	802,064	801,205	800,346	799,486	798,625	797,764	796,902	796,039	795,176	794,312	793,448	
97,3	801,767	800,909	800,050	799,190	798,329	797,468	796,606	795,743	794,880	794,017	793,153	
97,4	801,470	800,612	799,753	798,893	798,032	797,171	796,310	795,447	794,584	793,721	792,857	
97,5	801,172	800,314	799,455	798,596	797,735	796,874	796,013	795,150	794,288	793,425	792,561	
97,6	800,874	800,016	799,157	798,298	797,437	796,577	795,715	794,853	793,991	793,128	792,264	
97,7	800,575	799,717	798,858	797,999	797,139	796,278	795,417	794,555	793,693	792,830	791,967	
97,8	800,275	799,417	798,559	797,700	796,840	795,980	795,118	794,257	793,395	792,532	791,669	
97,9	799,975	799,117	798,259	797,400	796,540	795,680	794,819	793,958	793,096	792,233	791,371	
98,0	799,674	798,816	797,958	797,100	796,240	795,380	794,519	793,658	792,796	791,934	791,071	
98,1	799,372	798,515	797,657	796,799	795,939	795,079	794,219	793,358	792,496	791,634	790,772	
98,2	799,070	798,213	797,355	796,497	795,638	794,778	793,918	793,057	792,196	791,334	790,471	
98,3	798,767	797,910	797,053	796,195	795,336	794,476	793,616	792,755	791,894	791,033	790,170	
98,4	798,463	797,607	796,749	795,891	795,033	794,174	793,314	792,453	791,592	790,731	789,869	
98,5	798,159	797,303	796,446	795,588	794,729	793,870	793,011	792,150	791,290	790,428	789,567	
98,6	797,854	796,998	796,141	795,283	794,425	793,566	792,707	791,847	790,986	790,125	789,264	
98,7	797,548	796,692	795,836	794,978	794,120	793,262	792,403	791,543	790,682	789,822	788,960	
98,8	797,242	796,386	795,530	794,673	793,815	792,957	792,098	791,238	790,378	789,517	788,656	
98,9	796,934	796,079	795,223	794,366	793,509	792,651	791,792	790,933	790,073	789,212	788,351	
99,0	796,626	795,771	794,915	794,059	793,202	792,344	791,485	790,626	789,767	788,907	788,046	
99,1	796,318	795,463	794,607	793,751	792,894	792,037	791,178	790,319	789,460	788,600	787,740	
99,2	796,008	795,154	794,298	793,442	792,586	791,728	790,870	790,012	789,153	788,293	787,433	
99,3	795,698	794,844	793,989	793,133	792,277	791,420	790,562	789,704	788,845	787,985	787,125	
99,4	795,387	794,533	793,678	792,823	791,967	791,110	790,253	789,395	788,536	787,677	786,817	
99,5	795,075	794,221	793,367	792,512	791,656	790,800	789,943	789,085	788,226	787,367	786,508	
99,6	794,762	793,909	793,055	792,200	791,345	790,489	789,632	788,774	787,916	787,057	786,198	
99,7	794,449	793,596	792,742	791,888	791,033	790,177	789,320	788,463	787,605	786,747	785,887	
99,8	794,134	793,282	792,428	791,574	790,720	789,864	789,008	788,151	787,294	786,435	785,576	
99,9	793,819	792,967	792,114	791,260	790,406	789,551	788,695	787,838	786,981	786,123	785,264	
100,0	793,503	792,651	791,799	790,945	790,091	789,236	788,381	787,525	786,668	785,810	784,951	

**Tab. 1A-2: Základná alkoholometrická tabuľka IIIb**  
**pre prepočet hmotnostného zlomku na objemovú koncentráciu**

**Objemová koncentrácia etanolu " $\sigma_E$ " v %**  
**ako funkcia hmotnostného zlomku etanolu " $w_E$ " v %**

Hmotnostný zlomok " $w_E$ "										
[%]	..,0	..,1	..,2	..,3	..,4	..,5	..,6	..,7	..,8	..,9
0	0,000	0,126	0,253	0,379	0,506	0,632	0,758	0,884	1,010	1,136
1	1,262	1,388	1,514	1,640	1,766	1,892	2,018	2,143	2,269	2,395
2	2,520	2,646	2,771	2,897	3,022	3,147	3,273	3,398	3,523	3,648
3	3,773	3,899	4,024	4,149	4,274	4,399	4,523	4,648	4,773	4,898
4	5,023	5,147	5,272	5,397	5,521	5,646	5,770	5,895	6,019	6,144
5	6,268	6,392	6,517	6,641	6,765	6,889	7,013	7,137	7,261	7,385
6	7,509	7,633	7,757	7,881	8,005	8,129	8,252	8,376	8,500	8,624
7	8,747	8,871	8,994	9,118	9,241	9,365	9,488	9,612	9,735	9,858
8	9,982	10,105	10,228	10,351	10,474	10,598	10,721	10,844	10,967	11,090
9	11,213	11,336	11,458	11,581	11,704	11,827	11,950	12,072	12,195	12,318
10	12,440	12,583	12,686	12,808	12,931	13,053	13,176	13,298	13,420	13,543
11	13,665	13,787	13,910	14,032	14,154	14,276	14,398	14,521	14,643	14,765
12	14,887	15,009	15,131	15,253	15,374	15,496	15,618	15,740	15,862	15,983
13	16,105	16,227	16,349	16,470	16,592	16,713	16,835	16,956	17,078	17,199
14	17,321	17,442	17,563	17,685	17,806	17,927	18,048	18,170	18,291	18,412
15	18,533	18,654	18,775	18,896	19,017	19,138	19,259	19,380	19,501	19,621
16	19,742	19,863	19,984	20,104	20,225	20,346	20,466	20,587	20,707	20,828
17	20,948	21,069	21,189	21,309	21,430	21,550	21,670	21,790	21,911	22,031
18	22,151	22,271	22,391	22,511	22,631	22,751	22,871	22,991	23,110	23,230
19	23,350	23,470	23,589	23,709	23,828	23,948	24,068	24,187	24,307	24,426
20	24,545	24,665	24,784	24,903	25,022	25,142	25,261	25,380	25,499	25,618
21	25,737	25,856	25,975	26,094	26,212	26,331	26,450	26,569	26,687	26,806
22	26,924	27,043	27,161	27,280	27,398	27,517	27,635	27,753	27,871	27,990
23	28,108	28,226	28,344	28,462	28,580	28,698	28,816	28,933	29,051	29,169
24	29,287	29,404	29,522	29,639	29,757	29,874	29,992	30,109	30,226	30,344
25	30,461	30,578	30,695	30,812	30,929	31,046	31,163	31,280	31,397	31,513
26	31,630	31,747	31,863	31,980	32,096	32,213	32,329	32,446	32,562	32,678
27	32,794	32,910	33,027	33,143	33,259	33,374	33,490	33,606	33,722	33,838
28	33,953	34,069	34,184	34,300	34,415	34,531	34,646	34,761	34,876	34,992
29	35,107	35,222	35,337	35,452	35,567	35,681	35,796	35,911	36,025	36,140
30	36,255	36,369	36,483	36,598	36,712	36,826	36,940	37,055	37,169	37,283
31	37,397	37,510	37,624	37,738	37,852	37,965	38,079	38,192	38,306	38,419
32	38,533	38,646	38,759	38,872	38,985	39,098	39,211	39,324	39,437	39,550
33	39,663	39,775	39,888	40,000	40,113	40,225	40,338	40,450	40,562	40,674
34	40,786	40,898	41,010	41,122	41,234	41,346	41,458	41,569	41,681	41,792
35	41,904	42,015	42,127	42,238	42,349	42,460	42,571	42,682	42,793	42,904
36	43,015	43,126	43,236	43,347	43,458	43,568	43,679	43,789	43,899	44,009
37	44,120	44,230	44,340	44,450	44,560	44,670	44,779	44,889	44,999	45,108
38	45,218	45,327	45,437	45,546	45,655	45,764	45,874	45,983	46,092	46,201
39	46,310	46,418	46,527	46,636	46,744	46,853	46,961	47,070	47,178	47,286
40	47,395	47,503	47,611	47,719	47,827	47,935	48,043	48,150	48,258	48,366
41	48,473	48,581	48,688	48,796	48,903	49,010	49,117	49,225	49,332	49,439
42	49,545	49,652	49,759	49,866	49,973	50,079	50,186	50,292	50,398	50,505
43	50,611	50,717	50,823	50,929	51,035	51,141	51,247	51,353	51,459	51,565
44	51,670	51,776	51,881	51,987	52,092	52,197	52,303	52,408	52,513	52,618
45	52,723	52,828	52,933	53,037	53,142	53,247	53,351	53,456	53,560	53,665
46	53,769	53,873	53,977	54,082	54,186	54,290	54,394	54,497	54,601	54,705
47	54,809	54,912	55,016	55,119	55,223	55,326	55,429	55,533	55,636	55,739
48	55,842	55,945	56,048	56,151	56,253	56,356	56,459	56,561	56,664	56,766
49	56,869	56,971	57,073	57,176	57,278	57,380	57,482	57,584	57,686	57,788

**Objemová koncentrácia etanolu " $\sigma_E$ " v %**  
**ako funkcia hmotnostného zlomku etanolu " $w_E$ " v %**

Hmotnostný zlomok "w <sub>E</sub> "										
[%]	...0	...1	...2	...3	...4	...5	...6	...7	...8	...9
50	57,689	57,990	58,093	58,194	58,296	58,397	58,499	58,600	58,701	58,802
51	58,903	59,004	59,105	59,206	59,307	59,408	59,509	59,609	59,710	59,811
52	59,911	60,012	60,112	60,212	60,312	60,413	60,513	60,613	60,713	60,813
53	60,913	61,012	61,112	61,212	61,311	61,411	61,510	61,610	61,709	61,808
54	61,908	62,007	62,106	62,205	62,304	62,403	62,501	62,600	62,699	62,798
55	62,896	62,995	63,093	63,192	63,290	63,388	63,486	63,584	63,683	63,781
56	63,787	63,976	64,074	64,172	64,270	64,367	64,465	64,562	64,660	64,757
57	64,854	64,952	65,049	65,146	65,243	65,340	65,437	65,534	65,630	65,727
58	65,824	65,920	66,017	66,113	66,210	66,306	66,402	66,499	66,595	66,691
59	66,787	66,883	66,979	67,075	67,170	67,266	67,362	67,457	67,553	67,648
60	67,743	67,839	67,934	68,029	68,124	68,219	68,314	68,409	68,504	68,599
61	68,694	68,768	68,883	68,977	69,072	69,166	69,261	69,355	69,449	69,543
62	69,637	69,731	69,825	69,919	70,013	70,107	70,200	70,294	70,388	70,481
63	70,574	70,668	70,761	70,854	70,948	71,041	71,134	71,227	71,320	71,412
64	71,505	71,598	71,690	71,783	71,876	71,968	72,060	72,153	72,245	72,337
65	72,429	72,521	72,613	72,705	72,797	72,889	72,981	73,072	73,164	73,255
66	73,347	73,438	73,529	73,621	73,712	73,803	73,894	73,985	74,076	74,167
67	74,258	74,348	74,439	74,530	74,620	74,711	74,801	74,891	74,982	75,072
68	75,162	75,252	75,342	75,432	75,522	75,612	75,702	75,791	75,881	75,970
69	76,060	76,149	76,239	76,328	76,417	76,506	76,595	76,684	76,773	76,862
70	76,951	77,040	77,128	77,217	77,306	77,394	77,482	77,571	77,659	77,747
71	77,835	77,923	78,011	78,099	78,187	78,275	78,363	78,451	78,538	78,626
72	78,713	78,801	78,888	78,975	79,062	79,150	79,237	79,324	79,411	79,497
73	79,584	79,671	79,758	79,844	79,931	80,017	80,104	80,190	80,276	80,362
74	80,448	80,535	80,621	80,706	80,792	80,878	80,964	81,049	81,135	81,221
75	81,306	81,391	81,477	81,562	81,647	81,732	81,817	81,902	81,987	82,072
76	82,157	82,241	82,326	82,410	82,495	82,579	82,664	82,748	82,832	82,916
77	83,000	83,084	83,168	83,252	83,336	83,419	83,503	83,587	83,670	83,753
78	83,837	83,920	84,003	84,086	84,169	84,252	84,335	84,418	84,501	84,584
79	84,666	84,749	84,831	84,914	84,996	85,078	85,160	85,243	85,325	85,407
80	85,488	85,570	85,652	85,734	85,815	85,897	85,978	86,060	86,141	86,222
81	86,303	86,384	86,465	86,546	86,627	86,708	86,788	86,869	86,949	87,030
82	87,110	87,191	87,271	87,351	87,431	87,511	87,591	87,671	87,750	87,830
83	87,910	87,989	88,069	88,148	88,227	88,306	88,385	88,464	88,543	88,622
84	88,701	88,780	88,858	88,937	89,015	89,094	89,172	89,250	89,328	89,406
85	89,484	89,562	89,640	89,717	89,795	89,873	89,950	90,027	90,105	90,182
86	90,259	90,336	90,413	90,489	90,566	90,643	90,719	90,796	90,872	90,948
87	91,025	91,101	91,177	91,253	91,328	91,404	91,430	91,555	91,631	91,706
88	91,781	91,856	91,932	92,007	92,081	92,156	92,231	92,305	92,380	92,454
89	92,529	92,603	92,677	92,751	92,825	92,899	92,972	93,046	93,120	93,193
90	93,266	93,340	93,413	93,486	93,559	93,631	93,704	93,777	93,849	93,922
91	93,994	94,066	94,138	94,210	94,282	94,354	94,425	94,497	94,568	94,640
92	94,711	94,782	94,853	94,924	94,995	95,065	95,136	95,206	95,276	95,347
93	95,417	95,487	95,557	95,626	95,696	95,766	95,835	95,904	95,973	96,042
94	96,111	96,180	96,249	96,317	96,386	96,454	96,522	96,590	96,658	96,726
95	96,794	96,861	96,929	96,996	97,063	97,131	97,197	97,264	97,331	97,397
96	97,464	97,530	97,596	97,662	97,728	97,794	97,859	97,925	97,990	98,055
97	98,120	98,185	98,250	98,315	98,379	98,443	98,508	98,572	98,635	98,699
98	98,763	98,826	98,889	98,952	99,015	99,078	99,141	99,203	99,266	99,328
99	99,390	99,451	99,513	99,575	99,636	99,697	99,758	99,819	99,879	99,940
100	100,000									

**Tab. 1A-3: Základná alkoholometrická tabuľka IVb**  
**pre prepočet objemovej koncentrácie na hmotnostný zlomok**

**Hmotnostný zlomok etanolu "w<sub>E</sub>" v %**  
**ako funkcia objemovej koncentrácie etanolu "σ<sub>E</sub>" v %**

Objemová koncentrácia											
[%]	..,0	..,1	..,2	..,3	..,4	..,5	..,6	..,7	..,8	..,9	
0	0,000	0,079	0,158	0,237	0,316	0,396	0,475	0,554	0,633	0,713	
1	0,792	0,871	0,951	1,030	1,109	1,189	1,268	1,348	1,427	1,507	
2	1,586	1,666	1,745	1,825	1,904	1,984	2,064	2,143	2,223	2,303	
3	2,382	2,462	2,542	2,622	2,702	2,782	2,861	2,941	3,021	3,101	
4	3,181	3,261	3,341	3,421	3,501	3,581	3,661	3,741	3,822	3,902	
5	3,982	4,062	4,142	4,222	4,303	4,383	4,463	4,544	4,624	4,704	
6	4,785	4,865	4,945	5,026	5,106	5,187	5,267	5,348	5,428	5,509	
7	5,589	5,670	5,751	5,831	5,912	5,992	6,073	6,154	6,235	6,315	
8	6,396	6,477	6,558	6,638	6,719	6,800	6,881	6,962	7,043	7,124	
9	7,205	7,286	7,366	7,447	7,528	7,610	7,691	7,772	7,853	7,934	
10	8,015	8,096	8,177	8,258	8,340	8,421	8,502	8,583	8,665	8,746	
11	8,827	8,908	8,990	9,071	9,152	9,234	9,315	9,397	9,478	9,560	
12	9,641	9,722	9,804	9,885	9,967	10,049	10,130	10,212	10,293	10,375	
13	10,457	10,538	10,620	10,702	10,783	10,865	10,947	11,029	11,110	11,192	
14	11,274	11,356	11,438	11,519	11,601	11,683	11,765	11,847	11,929	12,011	
15	12,093	12,175	12,257	12,339	12,421	12,503	12,585	12,667	12,749	12,831	
16	12,914	12,996	13,078	13,160	13,242	13,325	13,407	13,489	13,571	13,654	
17	13,736	13,818	13,901	13,983	14,065	14,148	14,230	14,313	14,395	14,478	
18	14,560	14,643	14,725	14,808	14,890	14,973	15,055	15,138	15,221	15,303	
19	15,386	15,469	15,551	15,634	15,717	15,799	15,882	15,965	16,048	16,131	
20	16,214	16,296	16,379	16,462	16,545	16,628	16,711	16,794	16,877	16,960	
21	17,043	17,126	17,209	17,292	17,375	17,458	17,542	17,625	17,708	17,791	
22	17,874	17,958	18,041	18,124	18,208	18,291	18,374	18,458	18,541	18,624	
23	18,708	18,791	18,875	18,958	19,042	19,125	19,209	19,293	19,376	19,460	
24	19,543	19,627	19,711	19,795	19,878	19,962	20,046	20,130	20,213	20,297	
25	20,381	20,465	20,549	20,633	20,717	20,801	20,885	20,969	21,053	21,137	
26	21,221	21,305	21,390	21,474	21,558	21,642	21,726	21,811	21,895	21,979	
27	22,064	22,148	22,233	22,317	22,401	22,486	22,570	22,655	22,740	22,824	
28	22,909	22,993	23,078	23,163	23,248	23,332	23,417	23,502	23,587	23,672	
29	23,757	23,841	23,926	24,011	24,096	24,181	24,266	24,352	24,437	24,522	
30	24,607	24,692	24,778	24,863	24,948	25,033	25,119	25,204	25,290	25,375	
31	25,461	25,546	25,632	25,717	25,803	25,889	25,974	26,060	26,146	26,231	
32	26,317	26,403	26,489	26,575	26,661	26,747	26,833	26,919	27,005	27,091	
33	27,177	27,263	27,349	27,436	27,522	27,608	27,695	27,781	27,867	27,954	
34	28,040	28,127	28,213	28,300	28,387	28,473	28,560	28,647	28,734	28,820	
35	28,907	28,994	29,081	29,168	29,255	29,342	29,429	29,516	29,603	29,691	
36	29,778	29,865	29,952	30,040	30,127	30,214	30,302	30,389	30,477	30,565	
37	30,652	30,740	30,827	30,915	31,003	31,091	31,179	31,267	31,354	31,442	
38	31,530	31,619	31,707	31,795	31,883	31,971	32,059	32,148	32,236	32,325	
39	32,413	32,501	32,590	32,678	32,767	32,856	32,944	33,033	33,122	33,211	
40	33,300	33,389	33,478	33,567	33,656	33,745	33,834	33,923	34,012	34,101	
41	34,191	34,280	34,369	34,459	34,548	34,638	34,728	34,817	34,907	34,997	
42	35,086	35,176	35,266	35,356	35,446	35,536	35,626	35,716	35,806	35,896	
43	35,986	36,077	36,167	36,257	36,348	36,438	36,529	36,619	36,710	36,801	
44	36,891	36,982	37,073	37,164	37,255	37,346	37,437	37,528	37,619	37,710	
45	37,801	37,892	37,984	38,075	38,166	38,258	38,349	38,441	38,532	38,624	
46	38,716	38,808	38,899	38,991	39,083	39,175	39,267	39,359	39,451	39,543	
47	39,636	39,728	39,820	39,912	40,005	40,097	40,190	40,282	40,375	40,468	
48	40,560	40,653	40,746	40,839	40,932	41,025	41,118	41,211	41,304	41,397	
49	41,490	41,584	41,677	41,770	41,864	41,957	42,051	42,145	42,238	42,332	

**Hmotnostný zlomok etanolu " $w_E$ " v %**  
**ako funkcia objemovej koncentrácie etanolu " $\sigma_E$ " v %**

Objemová koncentrácia										
[%]	..,0	..,1	..,2	..,3	..,4	..,5	..,6	..,7	..,8	..,9
50	42,426	42,520	42,613	42,707	42,801	42,895	42,990	43,084	43,178	43,272
51	43,366	43,461	43,555	43,650	43,744	43,839	43,933	44,028	44,123	44,218
52	44,313	44,408	44,503	44,598	44,693	44,788	44,883	44,978	45,074	45,169
53	45,264	45,360	45,455	45,551	45,647	45,742	45,838	45,934	46,030	46,126
54	46,222	46,318	46,414	46,510	46,606	46,702	46,799	46,895	46,992	47,088
55	47,185	47,281	47,378	47,475	47,572	47,668	47,765	47,862	47,959	48,056
56	48,153	48,251	48,346	48,445	48,543	48,640	48,738	48,835	48,933	49,030
57	49,128	49,226	49,324	49,422	49,520	49,618	49,716	49,814	49,912	50,010
58	50,109	50,207	50,306	50,404	50,503	50,601	50,700	50,799	50,898	50,997
59	51,096	51,195	51,294	51,393	51,492	51,591	51,691	51,790	51,889	51,989
60	52,088	52,188	52,288	52,388	52,487	52,587	52,687	52,787	52,887	52,987
61	53,088	53,188	53,288	53,389	53,489	53,590	53,690	53,791	53,892	53,992
62	54,093	54,194	54,295	54,396	54,497	54,598	54,700	54,801	54,902	55,004
63	55,105	55,207	55,309	55,410	55,512	55,614	55,716	55,818	55,920	56,022
64	56,124	56,226	56,329	56,431	56,534	56,638	56,739	56,841	56,944	57,047
65	57,150	57,253	57,356	57,459	57,562	57,665	57,768	57,872	57,975	58,079
66	58,182	58,286	58,390	58,494	58,597	58,701	58,805	58,909	59,014	59,118
67	59,222	59,327	59,431	59,535	59,640	59,745	59,850	59,954	60,059	60,164
68	60,269	60,374	60,480	60,585	60,690	60,796	60,901	61,007	61,112	61,218
69	61,324	61,430	61,536	61,642	61,748	61,854	61,960	62,067	62,173	62,280
70	62,386	62,493	62,600	62,706	62,813	62,920	63,027	63,134	63,242	63,349
71	63,456	63,564	63,671	63,779	63,887	63,994	64,102	64,210	64,318	64,426
72	64,535	64,643	64,751	64,860	64,968	65,077	65,186	65,294	65,403	65,512
73	65,621	65,730	65,839	65,949	66,058	66,168	66,277	66,387	66,497	66,606
74	66,716	66,826	66,936	67,047	67,157	67,267	67,378	67,488	67,599	67,709
75	67,820	67,931	68,042	68,153	68,264	68,375	68,487	68,598	68,710	68,821
76	68,933	69,045	69,157	69,269	69,381	69,493	69,605	69,718	69,830	69,943
77	70,055	70,168	70,281	70,394	70,507	70,620	70,733	70,846	70,960	71,073
78	71,187	71,301	71,414	71,528	71,642	71,756	71,871	71,985	72,099	72,214
79	72,328	72,443	72,558	72,673	72,788	72,903	73,018	73,133	73,249	73,364
80	73,480	73,596	73,712	73,828	73,944	74,060	74,176	74,292	74,409	74,525
81	74,642	74,759	74,876	74,993	75,110	75,227	75,345	75,462	75,580	75,697
82	75,815	75,933	76,051	76,169	76,288	76,406	76,524	76,643	76,762	76,881
83	77,000	77,119	77,238	77,357	77,477	77,596	77,716	77,836	77,956	78,076
84	78,196	78,316	78,437	78,557	78,678	78,799	78,920	79,041	79,162	79,283
85	79,405	79,526	79,648	79,770	79,892	80,014	80,136	80,259	80,381	80,504
86	80,627	80,750	80,873	80,996	81,119	81,243	81,367	81,490	81,614	81,738
87	81,863	81,987	82,112	82,236	82,361	82,486	82,611	82,737	82,862	82,988
88	83,114	83,239	83,366	83,492	83,618	83,745	83,872	83,999	84,126	84,253
89	84,380	84,508	84,636	84,764	84,892	85,020	85,149	85,277	85,406	85,535
90	85,665	85,794	85,924	86,053	86,183	86,314	86,444	86,575	86,705	86,836
91	86,968	87,099	87,231	87,362	87,494	87,627	87,759	87,892	88,025	88,158
92	88,291	88,425	88,558	88,693	88,827	88,961	89,096	89,231	89,366	89,502
93	89,637	89,773	89,909	90,046	90,183	90,320	90,457	90,594	90,732	90,870
94	91,008	91,147	91,286	91,425	91,565	91,704	91,844	91,985	92,125	92,266
95	92,408	92,549	92,691	92,833	92,976	93,119	93,262	93,406	93,549	93,694
96	93,838	93,983	94,129	94,274	94,421	94,567	94,714	94,861	95,009	95,167
97	95,305	95,454	95,604	95,753	95,904	96,054	96,205	96,357	96,509	96,662
98	96,815	96,968	97,122	97,277	97,432	97,588	97,744	97,901	98,059	98,217
99	98,375	98,535	98,695	98,855	99,017	99,179	99,341	99,505	99,669	99,834
100	100,000									