

Tabellen.

Tabelle I.

Korrektionstabelle für ganze Milch, Vollmilch.

		Wärmegrade der Milch nach Celsius											
		10	11	12	13	14	15	16	17	18	19	20	
Laktodensimetergrade	20	19.3	19.4	19.5	19.6	19.8	20	20.1	20.3	20.5	20.7	20.9	20
	21	20.3	20.4	20.5	20.6	20.8	21	21.2	21.4	21.6	21.8	22.0	21
	22	21.3	21.4	21.5	21.6	21.8	22	22.2	22.4	22.6	22.8	23.0	22
	23	22.3	22.4	22.5	22.6	22.8	23	23.2	23.4	23.6	23.8	24.0	23
	24	23.3	23.4	23.5	23.6	23.8	24	24.2	24.4	24.6	24.8	25.0	24
	25	24.2	24.3	24.5	24.6	24.8	25	25.2	25.4	25.6	25.8	26.0	25
	26	25.2	25.3	25.5	25.6	25.8	26	26.2	26.4	26.6	26.8	27.1	26
	27	26.2	26.3	26.5	26.6	26.8	27	27.2	27.4	27.6	27.9	28.2	27
	28	27.1	27.2	27.4	27.6	27.8	28	28.2	28.4	28.6	28.9	29.2	28
	29	28.1	28.2	28.4	28.6	28.8	29	29.2	29.4	29.6	29.9	30.2	29
	30	29.0	29.2	29.4	29.6	29.8	30	30.2	30.4	30.6	30.9	31.2	30
	31	30.0	30.2	30.4	30.6	30.8	31	31.2	31.4	31.7	32.0	32.2	31
	32	31.0	31.2	31.4	31.6	31.8	32	32.2	32.4	32.7	33.0	33.3	32
	33	32.0	32.2	32.4	32.6	32.8	33	33.2	33.4	33.7	34.0	34.3	33
	34	32.9	33.1	33.4	33.5	33.8	34	34.2	34.4	34.7	35.0	35.3	34
	35	33.8	34.0	34.2	34.4	34.7	35	35.2	35.4	35.7	36.0	36.3	35

Tabelle II.

Korrektionstabelle für Magermilch.

		Wärmegrade der Milch nach Celsius											
		10	11	12	13	14	15	16	17	18	19	20	
Laktodensimetergrade	20	19.5	19.6	19.7	19.8	19.9	20	20.1	20.2	20.4	20.6	20.8	20
	21	20.5	20.6	20.7	20.8	20.9	21	21.1	21.2	21.4	21.6	21.8	21
	22	21.5	21.6	21.7	21.8	21.9	22	22.1	22.2	22.4	22.6	22.8	22
	23	22.5	22.6	22.7	22.8	22.9	23	23.1	23.2	23.4	23.6	23.8	23
	24	23.4	23.5	23.6	23.7	23.9	24	24.1	24.2	24.4	24.6	24.8	24
	25	24.3	24.4	24.5	24.6	24.8	25	25.1	25.2	25.4	25.6	25.8	25
	26	25.3	25.4	25.5	25.6	25.8	26	26.1	26.3	26.5	26.7	26.9	26
	27	26.3	26.4	26.5	26.6	26.8	27	27.1	27.3	27.5	27.7	27.9	27
	28	27.3	27.4	27.5	27.6	27.8	28	28.1	28.3	28.5	28.7	28.9	28
	29	28.3	28.4	28.5	28.6	28.8	29	29.1	29.3	29.5	29.7	29.9	29
	30	29.3	29.4	29.5	29.6	29.8	30	30.1	30.3	30.5	30.7	30.9	30
	31	30.3	30.4	30.5	30.6	30.8	31	31.2	31.4	31.6	31.8	32.0	31
	32	31.3	31.4	31.5	31.6	31.8	32	32.2	32.4	32.6	32.8	33.0	32
	33	32.3	32.4	32.5	32.6	32.8	33	33.2	33.4	33.6	33.8	34.0	33
	34	33.3	33.4	33.5	33.6	33.8	34	34.2	34.4	34.6	34.8	35.0	34
	35	34.2	34.3	34.4	34.6	34.8	35	35.2	35.4	35.6	35.8	36.0	35
36	35.2	35.3	35.4	35.6	35.8	36	36.2	36.4	36.6	36.9	37.1	36	
37	36.2	36.3	36.4	36.6	36.8	37	37.2	37.4	37.6	37.9	38.2	37	
38	37.2	37.3	37.4	37.6	37.8	38	38.2	38.4	38.6	38.9	39.2	38	
39	37.2	38.3	38.4	38.6	38.8	39	39.2	39.4	39.6	39.9	40.2	39	
40	39.1	39.2	39.4	39.6	39.8	40	40.2	40.4	40.6	40.9	41.2	40	

Tabellen zur Zuckerbestimmung (III, IV, V, VI).¹

Ausführung der gewichtsanalytischen Zuckerbestimmungen. Man bringt in eine Porzellanschale die für die einzelnen Fälle bestimmten Mengen Fehlingscher Lösung und erhitzt über freiem Feuer zum Kochen. Zu der lebhaft siedenden Flüssigkeit läßt man aus einer Pipette die bestimmte Menge Zuckerlösung zufließen, unterhält so lange im Sieden, als es für die einzelnen Zuckerarten vorgeschrieben ist und filtriert das ausgeschiedene Kupferoxydul sofort durch ein Asbestfiltrerröhrchen ab, unter Anwendung einer gut wirkenden Wasserstrahlpumpe. Möglichst rasches Auswaschen mit heißem Wasser, dann mit Alkohol und Äther. Reduktion des Oxyduls zu metallischem Kupfer im Wasserstoffstrom unter mäßigem Erhitzen. Erkaltenlassen im Wasserstoffstrom und Wiegen. Ablesen der dem gewogenen Kupfer entsprechenden Menge Zucker aus der jeweilig anzuwendenden Tabelle und Umrechnung auf die ursprüngliche Substanz unter Berücksichtigung der stattgefundenen Verdünnung.

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Bereitung der Filtrerröhrchen. Man befreit Asbest durch Schlämmen von den steinigen und zu feinpulverigen Anteilen und kocht ihn dann sukzessive mit nicht zu konzentrierter Natronlauge, heißem Wasser, Salpetersäure und nochmals mit heißem Wasser aus. Sodann wird in die Filtrerröhrchen (ausgezogene Glasröhrchen) unten etwas Glaswolle festgedrückt und darauf der präparierte Asbest gegeben.

Benutzte Röhrchen werden gereinigt, indem man das in denselben vorhandene Kupfer mit etwas rauchender Salpetersäure unter Erwärmen löst und die Röhrchen dann unter Anwendung der Saugpumpe mit heißem Wasser, Alkohol und Äther auswäscht, trocknet und wiegt.

Erforderliche Lösungen. a) Kupferlösung: Chemisch reiner Kupfervitriol des Handels wird einmal aus verdünnter Salpetersäure, dreimal aus Wasser umkristallisiert, zwischen Filtrierpapier trocken gepreßt und 12 Stunden an der Luft liegen gelassen; von diesem Kupfervitriol werden 69.278 g in Wasser zu 1 Liter aufgelöst.

b) Seignettesalz-Natronlauge: 173 g Seignettesalz werden zu 400 ccm in Wasser gelöst und mit 100 ccm einer Natronlauge, die 516 g Natriumhydroxyd im Liter enthält, zu $\frac{1}{2}$ Liter aufgefüllt.² Die Seignettesalz-Natronlauge muß stets frisch bereitet sein. Die Verwendung alter Lösungen macht die Bestimmung ungenau. Das Zusammenmischen der beiden getrennt dargestellten Lösungen soll immer erst kurz vor Ausführung der Bestimmungen vorgenommen werden.

Für Tabelle III schreibt Allihn eine andere Zusammensetzung der Seignettesalzlösung vor (173 g Seignettesalz und 125 g KOH zu 500 ccm gelöst); doch ist auch die nach der Fehlingschen Vorschrift bereitete Lösung verwendbar.

¹ Entnommen aus E. Wein, Tab. zur quant. Best. d. Zuckerarten. Stuttgart bei Max Waag. — ² Die 51.6 g NaOH sind nicht in fester Form abzuwiegen, sondern es ist eine Natronlauge zu verwenden, welche nach titrimetrischer Ermittlung mit Normal-Salzsäure 51.6 g NaOH enthält.

Zur Bestimmung des Traubenzuckers (Dextrose) werden 30 ccm Kupferlösung, 30 ccm Seignettesalzlösung und 60 ccm Wasser zum Sieden erhitzt, 25 ccm einer Zuckerlösung zugegeben, die nicht mehr als 1 Proz. sein darf, und 2 Minuten lang im Sieden unterhalten. Berechnung nach Tabelle III.

Zur Bestimmung des Invertzuckers werden 25 ccm Kupferlösung und 25 ccm Seignettesalzlösung mit der Invertzuckerlösung, die nicht mehr als 0.245 g Invertzucker enthalten darf, gemischt; das Gemisch wird mit Wasser auf 100 ccm ergänzt. Man unterhält 2 Minuten im Sieden. Tab. IV.

Will man Rohrzucker in Invertzucker umwandeln, so löst man eine 10 g Invertzucker entsprechende Menge desselben in 700 ccm Wasser, gibt 100 ccm einer Salzsäure hinzu, die 0.72% HCl enthält, und erhitzt 30 Minuten lang im Wasserbade. Sodann wird rasch abgekühlt, mit titrierter Natronlauge genau neutralisiert und auf 1 Liter aufgefüllt.¹

Zur Umrechnung der erhaltenen Invertzuckerzahl auf Rohrzucker multipliziert man dieselbe mit 0.95.

Zur Bestimmung des Milchzuckers werden 25 ccm Kupferlösung und 25 ccm Seignettesalzlösung mit 20—100 ccm Milchzuckerlösung je nach der Konzentration gemischt, das Ganze mit Wasser auf 150 ccm ergänzt und 6 Minuten lang im Kochen unterhalten. Tab. V.

Zur Bestimmung der Maltose werden 25 ccm Kupferlösung und 25 ccm Seignettesalzlösung mit 25 ccm einer Zuckerlösung, die nicht mehr als 1 Proz. sein soll, zum Sieden erhitzt und 4 Minuten lang im Sieden unterhalten. Tab. VI.

Tabelle III.

Bestimmung des Traubenzuckers (Dextrose) nach F. Allihn.

mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose
10	6.1	22	12.0	34	18.0	46	23.9
11	6.6	23	12.5	35	18.5	47	24.4
12	7.1	24	13.0	36	18.9	48	24.9
13	7.6	25	13.5	37	19.4	49	25.4
14	8.1	26	14.0	38	19.9	50	25.9
15	8.6	27	14.5	39	20.4	51	26.4
16	9.0	28	15.0	40	20.9	52	26.9
17	9.5	29	15.5	41	21.4	53	27.4
18	10.0	30	16.0	42	21.9	54	27.9
19	10.5	31	16.5	43	22.4	55	28.4
20	11.0	32	17.0	44	22.9	56	28.8
21	11.5	33	17.5	45	23.4	57	29.3

¹ Vergl. S. 133.

mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose
58	29.8	110	56.0	162	82.7	214	110.0
59	30.3	111	56.5	163	83.3	215	110.6
60	30.8	112	57.0	164	83.8	216	111.1
61	31.3	113	57.5	165	84.3	217	111.6
62	31.8	114	58.0	166	84.8	218	112.1
63	32.3	115	58.6	167	85.3	219	112.7
64	32.8	116	59.1	168	85.9	220	113.2
65	33.3	117	59.6	169	86.4	221	113.7
66	33.8	118	60.1	170	86.9	222	114.3
67	34.3	119	60.6	171	87.4	223	114.8
68	34.8	120	61.1	172	87.9	224	115.3
69	35.3	121	61.6	173	88.5	225	115.9
70	35.8	122	62.1	174	89.0	226	116.4
71	36.3	123	62.6	175	89.5	227	116.9
72	36.8	124	63.1	176	90.0	228	117.4
73	37.3	125	63.7	177	90.5	229	118.0
74	37.8	126	64.2	178	91.1	230	118.5
75	38.3	127	64.7	179	91.6	231	119.0
76	38.8	128	65.2	180	92.1	232	119.6
77	39.3	129	65.7	181	92.6	233	120.1
78	39.8	130	66.2	182	93.1	234	120.7
79	40.3	131	66.7	183	93.7	235	121.2
80	40.8	132	67.2	184	94.2	236	121.7
81	41.3	133	67.7	185	94.7	237	122.3
82	41.8	134	68.2	186	95.2	238	122.8
83	42.3	135	68.8	187	95.7	239	123.4
84	42.8	136	69.3	188	96.3	240	123.9
85	43.4	137	69.8	189	96.8	241	124.4
86	43.9	138	70.3	190	97.3	242	125.0
87	44.4	139	70.8	191	97.8	243	125.5
88	44.9	140	71.3	192	98.4	244	126.0
89	45.4	141	71.8	193	98.9	245	126.6
90	45.9	142	72.3	194	99.4	246	127.1
91	46.4	143	72.9	195	100.0	247	127.6
92	46.9	144	73.4	196	100.5	248	128.1
93	47.4	145	73.9	197	101.0	249	128.7
94	47.9	146	74.4	198	101.5	250	129.2
95	48.4	147	74.9	199	102.0	251	129.7
96	48.9	148	75.5	200	102.6	252	130.3
97	49.4	149	76.0	201	103.2	253	130.8
98	49.9	150	76.5	202	103.7	254	131.4
99	50.4	151	77.0	203	104.2	255	131.9
100	50.9	152	77.5	204	104.7	256	132.4
101	51.4	153	78.1	205	105.3	257	133.0
102	51.9	154	78.6	206	105.8	258	133.5
103	52.4	155	79.1	207	106.3	259	134.1
104	52.9	156	79.6	208	106.8	260	134.6
105	53.5	157	80.1	209	107.4	261	135.1
106	54.0	158	80.7	210	107.9	262	135.7
107	54.5	159	81.2	211	108.4	263	136.2
108	55.0	160	81.7	212	109.0	264	136.8
109	55.5	161	82.2	213	109.5	265	137.3

mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose	mg Kupfer	mg Dextrose
266	137.8	316	165.3	366	193.4	416	222.2
267	138.4	317	165.9	367	194.0	417	222.8
268	138.9	318	166.4	368	194.6	418	223.3
269	139.5	319	167.0	369	195.1	419	223.9
270	140.0	320	167.5	370	195.7	420	224.5
271	140.6	321	168.1	371	196.3	421	225.1
272	141.1	322	168.6	372	196.8	422	225.7
273	141.7	323	169.2	373	197.4	423	226.3
274	142.2	324	169.7	374	198.0	424	226.9
275	142.8	325	170.3	375	198.6	425	227.5
276	143.3	326	170.9	376	199.1	426	228.0
277	143.9	327	171.4	377	199.7	427	228.6
278	144.4	328	172.0	378	200.3	428	229.2
279	145.0	329	172.5	379	200.8	429	229.8
280	145.5	330	173.1	380	201.4	430	230.4
281	146.1	331	173.7	381	202.0	431	231.0
282	146.6	332	174.2	382	202.5	432	231.6
283	147.2	333	174.8	383	203.1	433	232.2
284	147.7	334	175.3	384	203.7	434	232.8
285	148.3	335	175.9	385	204.3	435	233.4
286	148.8	336	176.5	386	204.8	436	233.9
287	149.4	337	177.0	387	205.4	437	234.5
288	149.9	338	177.6	388	206.0	438	235.1
289	150.5	339	178.1	389	206.5	439	235.7
290	151.0	340	178.7	390	207.1	440	236.3
291	151.6	341	179.3	391	207.7	441	236.9
292	152.1	342	179.8	392	208.3	442	237.5
293	152.7	343	180.4	393	208.8	443	238.1
294	153.2	344	180.9	394	209.4	444	238.7
295	153.8	345	181.5	395	210.0	445	239.3
296	154.3	346	182.1	396	210.6	446	239.8
297	154.9	347	182.6	397	211.2	447	240.4
298	155.4	348	183.2	398	211.7	448	241.0
299	156.0	349	183.7	399	212.3	449	241.6
300	156.5	350	184.3	400	212.9	450	242.2
301	157.1	351	184.9	401	213.5	451	242.8
302	157.6	352	185.4	402	214.1	452	243.4
303	158.2	353	186.0	403	214.6	453	244.0
304	158.7	354	186.6	404	215.2	454	244.6
305	159.3	355	187.2	405	215.8	455	245.2
306	159.8	356	187.7	406	216.4	456	245.7
307	160.4	357	188.3	407	217.0	457	246.3
308	160.9	358	188.9	408	217.5	458	246.9
309	161.5	359	189.4	409	218.1	459	247.5
310	162.0	360	190.0	410	218.7	460	248.1
311	162.6	361	190.6	411	219.3	461	248.7
312	163.1	362	191.1	412	219.9	462	249.3
313	163.7	363	191.7	413	220.4	463	249.9
314	164.2	364	192.3	414	221.0		
315	164.8	365	192.9	415	221.6		

Tabelle IV.

Bestimmung des Invertzuckers. Nach den von E. Meißl ermittelten Reduktionsfaktoren berechnet von E. Wein.

mg Kupfer	mg Invertzucker	mg Kupfer	mg Invertzucker	mg Kupfer	mg Invertzucker	mg Kupfer	mg Invertzucker
90 ¹	46.9	133	69.7	176	93.0	219	117.0
91	47.4	134	70.3	177	93.5	220	117.5
92	47.9	135	70.8	178	94.1	221	118.1
93	48.4	136	71.3	179	94.6	222	118.7
94	48.9	137	71.9	180	95.2	223	119.2
95	49.5	138	72.4	181	95.7	224	119.8
96	50.0	139	72.9	182	96.2	225	120.4
97	50.5	140	73.5	183	96.8	226	120.9
98	51.1	141	74.0	184	97.3	227	121.5
99	51.6	142	74.5	185	97.8	228	122.1
100	52.1	143	75.1	186	98.4	229	122.6
101	52.7	144	75.6	187	99.0	230	123.2
102	53.2	145	76.1	188	99.5	231	123.8
103	53.7	146	76.7	189	100.1	232	124.3
104	54.3	147	77.2	190	100.6	233	124.9
105	54.8	148	77.8	191	101.2	234	125.5
106	55.3	149	78.3	192	101.7	235	126.0
107	55.9	150	78.9	193	102.3	236	126.6
108	56.4	151	79.4	194	102.9	237	127.2
109	56.9	152	80.0	195	103.4	238	127.8
110	57.5	153	80.5	196	104.0	239	128.3
111	58.0	154	81.0	197	104.6	240	128.9
112	58.5	155	81.6	198	105.1	241	129.5
113	59.1	156	82.1	199	105.7	242	130.0
114	59.6	157	82.7	200	106.3	243	130.6
115	60.1	158	83.2	201	106.8	244	131.2
116	60.7	159	83.8	202	107.4	245	131.8
117	61.2	160	84.3	203	107.9	246	132.3
118	61.7	161	84.8	204	108.5	247	132.9
119	62.3	162	85.4	205	109.1	248	133.5
120	62.8	163	85.9	206	109.6	249	134.1
121	63.3	164	86.5	207	110.2	250	134.6
122	63.9	165	87.0	208	110.8	251	135.2
123	64.4	166	87.6	209	111.3	252	135.8
124	64.9	167	88.1	210	111.9	253	136.3
125	65.5	168	88.6	211	112.5	254	136.9
126	66.0	169	89.2	212	113.0	255	137.5
127	66.5	170	89.7	213	113.6	256	138.1
128	67.1	171	90.3	214	114.2	257	138.6
129	67.6	172	90.8	215	114.7	258	139.2
130	68.1	173	91.4	216	115.3	259	139.8
131	68.7	174	91.9	217	115.8	260	140.4
132	69.2	175	92.4	218	116.4	261	140.9

¹ Die 10—89 mg Kupfer entsprechenden Mengen Invertzucker sind der Tabelle III zu entnehmen.

mg Kupfer	mg Invert- zucker	mg Kupfer	mg Invert- zucker	mg Kupfer	mg Invert- zucker	mg Kupfer	mg Invert- zucker
262	141.5	305	166.8	348	192.6	391	219.3
263	142.1	306	167.3	349	193.2	392	219.9
264	142.7	307	167.9	350	193.8	393	220.5
265	143.2	308	168.5	351	194.4	394	221.2
266	143.8	309	169.1	352	195.0	395	221.8
267	144.4	310	169.7	353	195.6	396	222.4
268	144.9	311	170.3	354	196.2	397	223.1
269	145.5	312	170.9	355	196.8	398	223.7
270	146.1	313	171.5	356	197.4	399	224.3
271	146.7	314	172.1	357	198.0	400	224.9
272	147.2	315	172.7	358	198.6	401	225.7
273	147.8	316	173.3	359	199.2	402	226.4
274	148.4	317	173.9	360	199.8	403	227.1
275	149.0	318	174.5	361	200.4	404	227.8
276	149.5	319	175.1	362	201.1	405	228.6
277	150.1	320	175.6	363	201.7	406	229.3
278	150.7	321	176.2	364	202.3	407	230.0
279	151.3	322	176.8	365	203.0	408	230.7
280	151.9	323	177.4	366	203.6	409	231.4
281	152.5	324	178.0	367	204.2	410	232.1
282	153.1	325	178.6	368	204.8	411	232.8
283	153.7	326	179.2	369	205.5	412	233.5
284	154.3	327	179.8	370	206.1	413	234.3
285	154.9	328	180.4	371	206.7	414	235.0
286	155.5	329	181.0	372	207.3	415	235.7
287	156.1	330	181.6	373	208.0	416	236.4
288	156.7	331	182.2	374	208.6	417	237.1
289	157.2	332	182.8	375	209.2	418	237.8
290	157.8	333	183.5	376	209.9	419	238.5
291	158.4	334	184.1	377	210.5	420	239.2
292	159.0	335	184.7	378	211.1	421	239.9
293	159.6	336	185.4	379	211.7	422	240.6
294	160.2	337	186.0	380	212.4	423	241.3
295	160.8	338	186.6	381	213.0	424	242.0
296	161.4	339	187.2	382	213.6	425	242.7
297	162.0	340	187.8	383	214.3	426	243.4
298	162.6	341	188.4	384	214.9	427	244.1
299	163.2	342	189.0	385	215.5	428	244.9
300	163.8	343	189.6	386	216.1	429	245.6
301	164.4	344	190.2	387	216.8	430	246.3
302	165.0	345	190.8	388	217.4		
303	165.6	346	191.4	389	218.0		
304	166.2	347	192.0	390	218.7		

Tabelle V.

Bestimmung des Milchzuckers nach F. Soxhlet (berechnet von E. Wein nach den von F. Soxhlet ermittelten Reduktionsfaktoren).

mg Kupfer	mg Milchzucker	mg Kupfer	mg Milchzucker	mg Kupfer	mg Milchzucker	mg Kupfer	mg Milchzucker
100	71.6	147	106.6	194	142.3	241	177.7
101	72.4	148	107.3	195	143.1	242	178.5
102	73.1	149	108.1	196	143.9	243	179.3
103	73.8	150	108.8	197	144.6	244	180.1
104	74.6	151	109.6	198	145.4	245	180.8
105	75.3	152	110.3	199	146.2	246	181.6
106	76.1	153	111.1	200	146.9	247	182.4
107	76.8	154	111.9	201	147.7	248	183.2
108	77.6	155	112.6	202	148.5	249	184.0
109	78.3	156	113.4	203	149.2	250	184.8
110	79.0	157	114.1	204	150.0	251	185.5
111	79.8	158	114.9	205	150.7	252	186.3
112	80.5	159	115.6	206	151.5	253	187.1
113	81.3	160	116.4	207	152.2	254	187.9
114	82.0	161	117.1	208	153.0	255	188.7
115	82.7	162	117.9	209	153.7	256	189.4
116	83.5	163	118.6	210	154.5	257	190.2
117	84.2	164	119.4	211	155.2	258	191.0
118	85.0	165	120.2	212	156.0	259	191.8
119	85.7	166	120.9	213	156.7	260	192.5
120	86.4	167	121.7	214	157.5	261	193.3
121	87.2	168	122.4	215	158.2	262	194.1
122	87.9	169	123.2	216	159.0	263	194.9
123	88.7	170	123.9	217	159.7	264	195.7
124	89.4	171	124.7	218	160.4	265	196.4
125	90.1	172	125.5	219	161.2	266	197.2
126	90.9	173	126.2	220	161.9	267	198.0
127	91.6	174	127.0	221	162.7	268	198.8
128	92.4	175	127.8	222	163.4	269	199.5
129	93.1	176	128.5	223	164.2	270	200.3
130	93.8	177	129.3	224	164.9	271	201.1
131	94.6	178	130.1	225	165.7	272	201.9
132	95.3	179	130.8	226	166.4	273	202.7
133	96.1	180	131.6	227	167.2	274	203.5
134	96.9	181	132.4	228	167.9	275	204.3
135	97.6	182	133.1	229	168.6	276	205.1
136	98.3	183	133.9	230	169.4	277	205.9
137	99.1	184	134.7	231	170.1	278	206.7
138	99.8	185	135.4	232	170.9	279	207.5
139	100.5	186	136.2	233	171.6	280	208.3
140	101.3	187	137.0	234	172.4	281	209.1
141	102.0	188	137.7	235	173.1	282	209.9
142	102.8	189	138.5	236	173.9	283	210.7
143	103.5	190	139.3	237	174.6	284	211.5
144	104.3	191	140.0	238	175.4	285	212.3
145	105.1	192	140.8	239	176.2	286	213.1
146	105.8	193	141.6	240	176.9	287	213.9

mg Kupfer	mg Milchzucker	mg Kupfer	mg Milchzucker	mg Kupfer	mg Milchzucker	mg Kupfer	mg Milchzucker
288	214.7	317	237.6	346	260.6	375	284.8
289	215.5	318	238.4	347	261.4	376	285.7
290	216.3	319	239.2	348	262.3	377	286.5
291	217.1	320	240.0	349	263.1	378	287.4
292	217.9	321	240.7	350	263.9	379	288.2
293	218.7	322	241.5	351	264.7	380	289.1
294	219.5	323	242.3	352	265.5	381	289.9
295	220.3	324	243.1	353	266.3	382	290.8
296	221.1	325	243.9	354	267.2	383	291.7
297	221.9	326	244.6	355	268.0	384	292.5
298	222.7	327	245.4	356	268.8	385	293.4
299	223.5	328	246.2	357	269.6	386	294.2
300	224.4	329	247.0	358	270.4	387	295.1
301	225.2	330	247.7	359	271.2	388	296.0
302	225.9	331	248.5	360	272.1	389	296.8
303	226.7	332	249.2	361	272.9	390	297.7
304	227.5	333	250.0	362	273.7	391	298.5
305	228.3	334	250.8	363	274.5	392	299.4
306	229.1	335	251.6	364	275.3	393	300.3
307	229.8	336	252.5	365	276.2	394	301.1
308	230.6	337	253.3	366	277.1	395	302.0
309	231.4	338	254.1	367	277.9	396	302.8
310	232.2	339	254.9	368	278.8	397	303.7
311	232.9	340	255.7	369	279.6	398	304.6
312	233.7	341	256.5	370	280.5	399	305.4
313	234.5	342	257.4	371	281.4	400	306.3
314	235.3	343	258.2	372	282.2		
315	236.1	344	259.0	373	283.1		
316	236.8	345	259.8	374	283.9		

Tabelle VI.

Bestimmung der Maltose nach E. Wein.

mg Cu	mg Maltose	mg Cu	mg Maltose	mg Cu	mg Maltose	mg Cu	mg Maltose	mg Cu	mg Maltose
30	25.3	40	33.9	50	42.6	60	51.3	70	60.1
31	26.1	41	34.8	51	43.5	61	52.2	71	61.0
32	27.0	42	35.7	52	44.4	62	53.1	72	61.8
33	27.9	43	36.5	53	45.2	63	53.9	73	62.7
34	28.7	44	37.4	54	46.1	64	54.8	74	63.6
35	29.6	45	38.3	55	47.0	65	55.7	75	64.5
36	30.5	46	39.1	56	47.8	66	56.6	76	65.4
37	31.3	47	40.0	57	48.7	67	57.4	77	66.2
38	32.2	48	40.9	58	49.6	68	58.3	78	67.1
39	33.1	49	41.8	59	50.4	69	59.2	79	68.0

Tabelle VII.
zur Ermittlung des Zuckergehaltes wäßriger Zuckerlösungen
aus der Dichte bei 15°.
Zugleich Extrakttafel für die Untersuchung von Bier, Süßweinen, Likören,
Fruchtsäften usw. (nach K. Windisch).¹

Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm	Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm
1.000	0.00	0.00	1.039	9.72	10.09
1.001	0.26	0.26	1.040	9.96	10.35
1.002	0.52	0.52	1.041	10.20	10.61
1.003	0.77	0.77	1.042	10.44	10.87
1.004	1.03	1.03	1.043	10.68	11.13
1.005	1.28	1.29	1.044	10.92	11.39
1.006	1.54	1.55	1.045	11.16	11.65
1.007	1.80	1.81	1.046	11.40	11.91
1.008	2.05	2.07	1.047	11.63	12.17
1.009	2.31	2.32	1.048	11.87	12.43
1.010	2.56	2.58	1.049	12.10	12.69
1.011	2.81	2.84	1.050	12.34	12.95
1.012	3.07	3.10	1.051	12.58	13.21
1.013	3.32	3.36	1.052	12.81	13.47
1.014	3.57	3.62	1.053	13.05	13.73
1.015	3.82	3.87	1.054	13.28	13.99
1.016	4.07	4.13	1.055	13.52	14.25
1.017	4.32	4.39	1.056	13.75	14.51
1.018	4.57	4.65	1.057	13.99	14.77
1.019	4.82	4.91	1.058	14.22	15.03
1.020	5.07	5.17	1.059	14.45	15.29
1.021	5.32	5.43	1.060	14.69	15.55
1.022	5.57	5.69	1.061	14.92	15.81
1.023	5.82	5.94	1.062	15.15	16.07
1.024	6.06	6.20	1.063	15.38	16.33
1.025	6.31	6.46	1.064	15.61	16.60
1.026	6.56	6.72	1.065	15.84	16.86
1.027	6.80	6.98	1.066	16.07	17.12
1.028	7.05	7.24	1.067	16.30	17.38
1.029	7.29	7.50	1.068	16.53	17.64
1.030	7.54	7.76	1.069	16.76	17.90
1.031	7.78	8.02	1.070	16.99	18.16
1.032	8.02	8.27	1.071	17.22	18.43
1.033	8.27	8.53	1.072	17.45	18.69
1.034	8.51	8.79	1.073	17.68	18.95
1.035	8.75	9.05	1.074	17.90	19.21
1.036	9.00	9.31	1.075	18.13	19.47
1.037	9.24	9.57	1.076	18.35	19.73
1.038	9.48	9.83	1.077	18.58	20.00

¹ Erschienen im Verlage von Julius Springer, Berlin 1896. Die nicht abgedruckten 4. Dezimalen können für den Ausdruck „Gramm Zucker in 100 ccm“ aus der Weinextrakttafel XIII bis zum spezifischen Gewicht 1.1150, entsprechend 29.99 g Zucker, entnommen werden.

Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm	Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm
1.078	18.81	20.26	1.128	29.66	33.43
1.079	19.03	20.52	1.129	29.87	33.70
1.080	19.26	20.78	1.130	30.08	33.96
1.081	19.48	21.04	1.131	30.29	34.23
1.082	19.71	21.31	1.132	30.49	34.49
1.083	19.93	21.57	1.133	30.70	34.75
1.084	20.16	21.83	1.134	30.91	35.02
1.085	20.38	22.09	1.135	31.12	35.29
1.086	20.60	22.36	1.136	31.32	35.55
1.087	20.83	22.62	1.137	31.53	35.82
1.088	21.05	22.88	1.138	31.73	36.08
1.089	21.27	23.14	1.139	31.94	36.35
1.090	21.49	23.41	1.140	32.14	36.61
1.091	21.72	23.67	1.141	32.35	36.88
1.092	21.94	23.93	1.142	32.55	37.14
1.093	22.16	24.20	1.143	32.76	37.41
1.094	22.38	24.46	1.144	32.96	37.67
1.095	22.60	24.72	1.145	33.17	37.95
1.096	22.82	24.99	1.146	33.37	38.21
1.097	23.04	25.25	1.147	33.57	38.47
1.098	23.25	25.51	1.148	33.78	38.75
1.099	23.47	25.78	1.149	33.98	39.01
1.100	23.69	26.04	1.150	34.18	39.27
1.101	23.91	26.30	1.151	34.38	39.54
1.102	24.13	26.56	1.152	34.58	39.80
1.103	24.34	26.83	1.153	34.79	40.08
1.104	24.56	27.09	1.154	34.99	40.34
1.105	24.78	27.35	1.155	35.19	40.61
1.106	24.99	27.62	1.156	35.39	40.88
1.107	25.21	27.88	1.157	35.59	41.14
1.108	25.42	28.15	1.158	35.79	41.41
1.109	25.64	28.41	1.159	35.99	41.68
1.110	25.85	28.67	1.160	36.19	41.94
1.111	26.07	28.94	1.161	36.39	42.21
1.112	26.28	29.20	1.162	36.59	42.48
1.113	26.50	29.47	1.163	36.78	42.74
1.114	26.71	29.73	1.164	36.98	43.01
1.115	26.92	29.99	1.165	37.18	43.28
1.116	27.13	30.26	1.166	37.38	43.55
1.117	27.35	30.52	1.167	37.58	43.82
1.118	27.56	30.79	1.168	37.77	44.08
1.119	27.77	31.05	1.169	37.97	44.35
1.120	27.98	31.31	1.170	38.17	44.62
1.121	28.19	31.58	1.171	38.36	44.88
1.122	28.40	31.84	1.172	38.56	45.15
1.123	28.61	32.11	1.173	38.76	45.42
1.124	28.82	32.37	1.174	38.95	45.69
1.125	29.03	32.64	1.175	39.15	45.96
1.126	29.24	32.90	1.176	39.34	46.22
1.127	29.45	33.17	1.177	39.54	46.49

Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm	Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm
1.178	39.73	46.76	1.228	49.13	60.28
1.179	39.92	47.03	1.229	49.31	60.55
1.180	40.12	47.30	1.230	49.49	60.82
1.181	40.31	47.57	1.231	49.67	61.10
1.182	40.50	47.83	1.232	49.85	61.37
1.183	40.70	48.11	1.233	50.04	61.64
1.184	40.89	48.37	1.234	50.22	61.92
1.185	41.08	48.64	1.235	50.40	62.19
1.186	41.28	48.91	1.236	50.58	62.46
1.187	41.47	49.18	1.237	50.76	62.73
1.188	41.66	49.45	1.238	50.94	63.01
1.189	41.85	49.72	1.239	51.12	63.28
1.190	42.04	49.99	1.240	51.30	63.56
1.191	42.23	50.26	1.241	51.48	63.83
1.192	42.42	50.53	1.242	51.66	64.11
1.193	42.62	50.80	1.243	51.83	64.37
1.194	42.81	51.07	1.244	52.01	64.65
1.195	43.00	51.34	1.245	52.19	64.92
1.196	43.19	51.61	1.246	52.37	65.20
1.197	43.37	51.87	1.247	52.55	65.47
1.198	43.56	52.15	1.248	52.73	65.75
1.199	43.75	52.42	1.249	52.90	66.02
1.200	43.94	52.68	1.250	53.08	66.29
1.201	44.13	52.95	1.251	53.26	66.57
1.202	44.32	53.22	1.252	53.43	66.84
1.203	44.50	53.49	1.253	53.61	67.12
1.204	44.69	53.76	1.254	53.79	67.40
1.205	44.88	54.03	1.255	53.96	67.67
1.206	45.07	54.30	1.256	54.14	67.94
1.207	45.25	54.58	1.257	54.32	68.22
1.208	45.44	54.85	1.258	54.49	68.49
1.209	45.63	55.12	1.259	54.67	68.77
1.210	45.81	55.39	1.260	54.84	69.04
1.211	46.00	55.66	1.261	55.02	69.32
1.212	46.19	55.93	1.262	55.19	69.59
1.213	46.37	56.20	1.263	55.37	69.87
1.214	46.56	56.48	1.264	55.54	70.14
1.215	46.74	56.75	1.265	55.72	70.42
1.216	46.93	57.02	1.266	55.89	70.69
1.217	47.11	57.28	1.267	56.06	70.97
1.218	47.30	57.56	1.268	56.24	71.25
1.219	47.48	57.83	1.269	56.41	71.52
1.220	47.66	58.10	1.270	56.58	71.80
1.221	47.85	58.38	1.271	56.76	72.08
1.222	48.03	58.65	1.272	56.93	72.35
1.223	48.22	58.92	1.273	57.10	72.63
1.224	48.40	59.19	1.274	57.27	72.90
1.225	48.58	59.46	1.275	57.45	73.18
1.226	48.76	59.73	1.276	57.62	73.46
1.227	48.95	66.01	1.277	57.79	73.73

Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm	Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm
1.278	57.96	74.01	1.328	66.31	87.99
1.279	58.13	74.29	1.329	66.48	88.27
1.280	58.31	74.57	1.330	66.84	88.55
1.281	58.48	74.85	1.331	66.60	88.84
1.282	58.65	75.12	1.332	66.96	89.12
1.283	58.82	75.40	1.333	67.12	89.40
1.284	58.99	75.68	1.334	67.29	89.69
1.285	59.16	75.95	1.335	67.45	89.97
1.286	59.33	76.23	1.336	67.61	90.25
1.287	59.50	76.51	1.337	67.77	90.53
1.288	59.67	76.79	1.338	67.93	90.81
1.289	59.84	77.07	1.339	68.09	91.09
1.290	60.01	77.35	1.340	68.25	91.38
1.291	60.18	77.63	1.341	68.41	91.66
1.292	60.35	77.90	1.342	68.57	91.94
1.293	60.52	78.19	1.343	68.73	92.23
1.294	60.69	78.46	1.344	68.89	92.51
1.295	60.85	78.73	1.345	69.05	92.79
1.296	61.02	79.02	1.346	69.21	93.08
1.297	61.19	79.30	1.347	69.37	93.36
1.298	61.36	79.57	1.348	69.53	93.65
1.299	61.53	79.86	1.349	69.69	93.94
1.300	61.69	80.13	1.350	69.85	94.21
1.301	61.86	80.41	1.351	70.01	94.50
1.302	62.03	80.69	1.352	70.16	94.79
1.303	62.20	80.97	1.353	70.32	95.07
1.304	62.36	81.25	1.354	70.48	95.35
1.305	62.53	81.53	1.355	70.64	95.64
1.306	62.70	81.81	1.356	70.80	95.93
1.307	62.86	82.09	1.357	70.96	96.21
1.308	63.03	82.37	1.358	71.12	96.49
1.309	63.19	82.65	1.359	71.27	96.78
1.310	63.36	82.93	1.360	71.43	97.07
1.311	63.52	83.21	1.361	71.59	97.35
1.312	63.69	83.49	1.362	71.75	97.64
1.313	63.86	83.77	1.363	71.90	97.92
1.314	64.02	84.05	1.364	72.06	98.21
1.315	64.19	84.34	1.365	72.22	98.50
1.316	64.35	84.61	1.366	72.28	98.78
1.317	64.52	84.90	1.367	72.53	99.07
1.318	64.68	85.18	1.368	72.69	99.35
1.319	64.85	85.46	1.369	72.85	99.64
1.320	65.01	85.74	1.370	73.00	99.92
1.321	65.17	86.02	1.371	73.16	100.21
1.322	65.34	86.30	1.372	73.31	100.50
1.323	65.50	86.58	1.373	73.47	100.79
1.324	65.66	86.86	1.374	73.62	101.07
1.325	65.82	87.14	1.375	73.78	101.36
1.326	65.99	87.43	1.376	73.94	101.65
1.327	66.15	87.71	1.377	74.09	101.93

Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm	Dichte bei 15° C. $d \left(\frac{15^\circ}{15^\circ} \text{C.} \right)$	Gewichts- prozent Zucker	Gramm Zucker in 100 ccm
1.378	74.25	102.23	1.450	85.07	123.25
1.379	74.40	102.51	1.460	86.52	126.22
1.380	74.56	102.81	1.470	87.97	129.20
1.381	74.71	103.09	1.480	89.40	132.20
1.382	74.87	103.38	1.490	90.82	135.21
1.383	75.02	103.66	1.500	92.23	138.23
			1.510	93.63	141.26
1.390	76.10	105.69	1.520	95.03	144.32
1.400	77.63	108.59	1.530	96.41	147.38
1.410	79.14	111.49	1.540	97.78	150.46
1.420	80.64	114.41	1.550	99.15	153.55
1.430	82.13	117.35	1.55626	100.00	155.49
1.440	83.61	120.29			

Tabelle VIII

zur Ermittlung der Prozente Brix aus der Dichte bei 20° C.

Prozente Brix	Zehntelprozente									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	Dichte bei 20° C. für die nebenstehenden ganzen Prozente und obenstehenden Zehntelprozente Brix.									
50	1.2296	1.2301	1.2307	1.2312	1.2318	1.2323	1.2329	1.2334	1.2340	1.2345
51	1.2351	1.2356	1.2362	1.2367	1.2373	1.2379	1.2384	1.2390	1.2395	1.2401
52	1.2406	1.2412	1.2418	1.2423	1.2429	1.2434	1.2440	1.2446	1.2451	1.2457
53	1.2462	1.2468	1.2474	1.2479	1.2485	1.2490	1.2496	1.2502	1.2507	1.2513
54	1.2519	1.2524	1.2530	1.2536	1.2541	1.2547	1.2553	1.2558	1.2564	1.2570
55	1.2575	1.2581	1.2587	1.2592	1.2598	1.2604	1.2610	1.2615	1.2621	1.2627
56	1.2632	1.2638	1.2644	1.2650	1.2655	1.2661	1.2667	1.2673	1.2678	1.2684
57	1.2690	1.2696	1.2701	1.2707	1.2713	1.2719	1.2725	1.2730	1.2736	1.2742
58	1.2748	1.2754	1.2759	1.2765	1.2771	1.2777	1.2783	1.2788	1.2794	1.2800
59	1.2806	1.2812	1.2818	1.2824	1.2830	1.2835	1.2841	1.2847	1.2853	1.2859
60	1.2865	1.2870	1.2876	1.2882	1.2888	1.2894	1.2900	1.2906	1.2912	1.2918
61	1.2924	1.2929	1.2935	1.2941	1.2947	1.2953	1.2959	1.2965	1.2971	1.2977
62	1.2983	1.2989	1.2995	1.3001	1.3007	1.3013	1.3019	1.3025	1.3031	1.3037
63	1.3043	1.3049	1.3055	1.3061	1.3067	1.3073	1.3079	1.3085	1.3091	1.3097
64	1.3103	1.3109	1.3115	1.3121	1.3127	1.3133	1.3139	1.3145	1.3151	1.3157
65	1.3163	1.3169	1.3175	1.3182	1.3188	1.3194	1.3201	1.3206	1.3212	1.3218
66	1.3224	1.3230	1.3236	1.3243	1.3249	1.3255	1.3261	1.3267	1.3273	1.3279
67	1.3286	1.3292	1.3298	1.3304	1.3310	1.3316	1.3323	1.3329	1.3335	1.3341
68	1.3347	1.3353	1.3360	1.3366	1.3372	1.3378	1.3384	1.3391	1.3397	1.3403
69	1.3409	1.3416	1.3422	1.3428	1.3434	1.3440	1.3447	1.3453	1.3459	1.3465
70	1.3472	1.3478	1.3484	1.3491	1.3497	1.3503	1.3509	1.3516	1.3522	1.3528
71	1.3535	1.3541	1.3547	1.3553	1.3560	1.3566	1.3572	1.3579	1.3585	1.3591
72	1.3598	1.3604	1.3610	1.3617	1.3623	1.3630	1.3636	1.3642	1.3649	1.3655
73	1.3661	1.3668	1.3674	1.3681	1.3687	1.3693	1.3700	1.3706	1.3713	1.3719
74	1.3725	1.3732	1.3738	1.3745	1.3751	1.3757	1.3764	1.3770	1.3777	1.3783

Prozente Brix	Zehntelprozente									
	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
75	1.3790	1.3796	1.3803	1.3809	1.3816	1.3822	1.3829	1.3835	1.3841	1.3848
76	1.3854	1.3861	1.3867	1.3874	1.3880	1.3887	1.3893	1.3900	1.3907	1.3913
77	1.3920	1.3926	1.3933	1.3939	1.3946	1.3952	1.3959	1.3965	1.3972	1.3978
78	1.3985	1.3992	1.3998	1.4005	1.4011	1.4018	1.4025	1.4031	1.4038	1.4044
79	1.4051	1.4058	1.4064	1.4071	1.4077	1.4084	1.4091	1.4097	1.4104	1.4111
80	1.4117	1.4124	1.4130	1.4137	1.4144	1.4150	1.4157	1.4164	1.4170	1.4177
81	1.4184	1.4190	1.4197	1.4204	1.4210	1.4217	1.4224	1.4231	1.4237	1.4244
82	1.4251	1.4257	1.4264	1.4271	1.4278	1.4284	1.4291	1.4298	1.4305	1.4311
83	1.4318	1.4325	1.4332	1.4338	1.4345	1.4352	1.4359	1.4365	1.4372	1.4379
84	1.4386	1.4393	1.4399	1.4406	1.4413	1.4420	1.4427	1.4433	1.4440	1.4447
85	1.4454	1.4461	1.4468	1.4474	1.4481	1.4488	1.4495	1.4502	1.4509	1.4515
86	1.4522	1.4529	1.4536	1.4543	1.4550	1.4557	1.4564	1.4570	1.4577	1.4584
87	1.4591	1.4598	1.4605	1.4612	1.4619	1.4626	1.4633	1.4640	1.4646	1.4653
88	1.4660	1.4667	1.4674	1.4681	1.4688	1.4695	1.4702	1.4709	1.4716	1.4723
89	1.4730	1.4737	1.4744	1.4751	1.4758	1.4765	1.4772	1.4779	1.4786	1.4793
90	1.4800	1.4807	1.4814	1.4821	1.4828	1.4835	1.4842	1.4849	1.4856	1.4863
91	1.4870	1.4877	1.4884	1.4891	1.4898	1.4905	1.4912	1.4919	1.4926	1.4934
92	1.4941	1.4948	1.4955	1.4962	1.4969	1.4976	1.4983	1.4990	1.4997	1.5004
93	1.5012	1.5019	1.5026	1.5033	1.5040	1.5047	1.5054	1.5061	1.5069	1.5076
94	1.5083	1.5090	1.5097	1.5104	1.5112	1.5119	1.5126	1.5133	1.5140	1.5147
95	1.5155	1.5162	1.5169	1.5176	1.5283	1.5191	1.5198	1.5205	1.5212	1.5219
96	1.5227	1.5234	1.5241	1.5248	1.5355	1.5263	1.5270	1.5277	1.5285	1.5292
97	1.5299	1.5306	1.5313	1.5321	1.5328	1.5335	1.5342	1.5350	1.5357	1.5364
98	1.5372	1.5379	1.5386	1.5393	1.5401	1.5408	1.5415	1.5423	1.5430	1.5437
99	1.5445	1.5452	1.5459	1.5467	1.5474	1.5481	1.5489	1.5496	1.5503	1.5511
100	1.5518	—	—	—	—	—	—	—	—	—

Tabelle IX

zur Berichtigung der Grade Brix bei einer von der Normaltemperatur (20° C.) abweichenden Temperatur.

Bei einer Temperatur von:	sind von den Graden der Lösung abzuziehen
16° C.	0.3°
17°	0.2°
18°	0.1°
19°	0.1°
20°	0
	sind der Saccharometeranzeige hinzuzurechnen:
21°	0.1°
22°	0.1°
23°	0.2°
24°	0.3°

Eine ausführliche Tabelle ist den Zuckersteuer-Ausführungsbestimmungen beigegeben. S. 400.

Tabelle X

zur Berechnung des Rohrzuckergehaltes aus der gefundenen Kupfermenge
bei 2 Minuten Kochdauer und 0.1625 g Ablauf.

Kupfer mg	Rohr- zucker %	Kupfer mg	Rohr- zucker %	Kupfer mg	Rohr- zucker %	Kupfer mg	Rohr- zucker %
79	23.57	126	38.58	173	53.42	220	68.68
80	23.88	127	38.89	174	53.72	221	69.05
81	24.12	128	39.20	175	54.03	222	69.42
82	24.43	129	39.51	176	54.34	223	69.66
83	24.74	130	39.82	177	54.65	224	70.03
84	25.05	131	40.18	178	55.01	225	70.40
85	25.35	132	40.43	179	55.32	226	70.71
86	25.66	133	40.74	180	55.63	227	71.02
87	25.97	134	41.11	181	55.94	228	71.38
88	26.28	135	41.42	182	56.25	229	71.69
89	26.52	136	41.66	183	56.62	230	72.00
90	27.45	137	42.03	184	56.86	231	72.37
91	27.69	138	42.34	185	57.17	232	72.68
92	28.00	139	42.65	186	57.54	233	73.05
93	28.31	140	42.95	187	57.85	234	73.35
94	28.62	141	43.26	188	58.15	235	73.66
95	28.92	142	43.57	189	58.52	236	74.03
96	29.23	143	43.88	190	58.83	237	74.34
97	29.54	144	44.18	191	59.14	238	74.71
98	29.85	145	44.49	192	59.45	239	75.02
99	30.15	146	44.86	193	59.82	240	75.38
100	30.46	147	45.11	194	60.18	241	75.69
101	30.83	148	45.48	195	60.43	242	76.00
102	31.08	149	45.78	196	60.80	243	76.37
103	31.38	150	46.15	197	61.17	244	76.68
104	31.75	151	46.40	198	61.42	245	77.05
105	32.06	152	46.77	199	61.78	246	77.35
106	32.31	153	47.08	200	62.15	247	77.72
107	32.68	154	47.32	201	62.46	248	78.03
108	33.05	155	47.69	202	62.77	249	78.40
109	33.29	156	48.00	203	63.08	250	78.71
110	33.60	157	48.37	204	63.45	251	79.02
111	33.91	158	48.62	205	63.75	252	79.38
112	34.22	159	48.98	206	64.06	253	79.69
113	34.58	160	49.29	207	64.43	254	80.06
114	34.83	161	49.60	208	64.80	255	80.37
115	35.14	162	49.91	209	65.05	256	80.74
116	35.51	163	50.22	210	65.42	257	81.05
117	35.75	164	50.58	211	65.78	258	81.35
118	36.06	165	50.83	212	66.03	259	81.72
119	36.43	166	51.21	213	66.40	260	82.09
120	36.74	167	51.51	214	66.77	261	82.40
121	36.98	168	51.82	215	67.08	262	82.71
122	37.35	169	52.12	216	67.38	263	83.08
123	37.66	170	52.43	217	67.69	264	83.45
124	37.97	171	52.80	218	68.06	265	83.69
125	38.28	172	53.11	219	68.37	266	84.06

Tabelle XI.
Reduktion der spezifischen Gewichte auf Saccharometer-
procente nach Balling.

	0	1	2	3	4	5	6	7	8	9
1.008	2.000	2.025	2.050	3.075	2.100	2.125	2.150	2.175	2.200	2.225
1.009	2.250	2.275	2.300	2.325	2.350	2.375	2.400	2.425	2.450	2.475
1.010	2.500	2.525	2.550	2.575	2.600	2.625	2.650	2.675	2.700	2.725
1.011	2.750	2.775	2.800	2.825	2.850	2.875	2.900	2.925	2.950	2.975
1.012	3.000	3.025	3.050	3.075	3.100	3.125	3.150	3.175	3.200	3.225
1.013	3.250	3.275	3.300	3.325	3.350	3.375	3.400	3.425	3.450	3.475
1.014	3.500	3.525	3.550	3.575	3.600	3.625	3.650	3.675	3.700	3.725
1.015	3.750	3.775	3.800	3.825	3.850	3.875	3.900	3.925	3.950	3.975
1.016	4.000	4.025	4.050	4.075	4.100	4.125	4.150	4.175	4.200	4.225
1.017	4.250	4.275	4.300	4.325	4.350	4.375	4.400	4.425	4.450	4.475
1.018	4.500	4.525	4.550	4.575	4.600	4.625	4.650	4.675	4.700	4.725
1.019	4.750	4.775	4.800	4.825	4.850	4.875	4.900	4.925	4.950	4.975
1.020	5.000	5.025	5.050	5.075	5.100	5.125	5.150	5.175	5.200	5.225
1.021	5.250	5.275	5.300	5.325	5.350	5.375	5.400	5.425	5.450	5.475
1.022	5.500	5.525	5.550	5.575	5.600	5.625	5.650	5.675	5.700	5.725
1.023	5.750	5.775	5.800	5.825	5.850	5.875	5.900	5.925	5.950	5.975
1.024	6.000	6.024	6.048	6.073	6.097	6.122	6.146	6.170	6.195	6.219
1.025	6.244	6.268	6.292	6.316	6.341	6.365	6.389	6.413	6.438	6.463
1.026	6.488	6.512	6.536	6.560	6.584	6.609	6.633	6.657	6.683	6.706
1.027	6.731	6.756	6.780	6.804	6.828	6.853	6.877	6.901	6.925	6.950
1.028	6.975	7.000	7.024	7.048	7.073	7.097	7.122	7.146	7.170	7.195
1.029	7.219	7.244	7.268	7.292	7.316	7.341	7.365	7.389	7.413	7.438
1.030	7.463	7.488	7.512	7.536	7.560	7.584	7.609	7.633	7.657	7.681
1.031	7.706	7.731	7.756	7.780	7.804	7.828	7.853	7.877	7.901	7.925
1.032	7.950	7.975	8.000	8.024	8.048	8.073	8.097	8.122	8.146	8.170
1.033	8.195	8.219	8.244	8.268	8.292	8.316	8.341	8.365	8.389	8.413
1.034	8.438	8.463	8.488	8.512	8.536	8.560	8.584	8.609	8.633	8.657
1.035	8.681	8.706	8.731	8.756	8.780	8.804	8.828	8.853	8.877	8.901
1.036	8.925	8.950	8.975	9.000	9.024	9.048	9.073	9.097	9.122	9.146
1.037	9.170	9.195	9.219	9.244	9.268	9.292	9.316	9.341	9.365	9.389
1.038	9.413	9.438	9.463	9.488	9.512	9.536	9.560	9.584	9.609	9.633
1.039	9.657	9.681	9.706	9.731	9.756	9.780	9.804	9.828	9.853	9.877
1.040	9.901	9.925	9.950	9.975	10.000	10.023	10.047	10.071	10.095	10.119
1.041	10.142	10.166	10.190	10.214	10.238	10.261	10.285	10.309	10.333	10.357
1.042	10.381	10.404	10.428	10.452	10.476	10.500	10.523	10.547	10.571	10.595
1.043	10.618	10.642	10.666	10.690	10.714	10.738	10.761	10.785	10.809	10.833
1.044	10.857	10.881	10.904	10.928	10.952	10.976	11.000	11.023	11.047	11.071
1.045	11.095	11.119	11.142	11.166	11.190	11.214	11.238	11.261	11.285	11.309
1.046	11.333	11.357	11.381	11.404	11.428	11.452	11.476	11.500	11.523	11.547
1.047	11.571	11.595	11.619	11.642	11.666	11.690	11.714	11.738	11.761	11.785
1.048	11.809	11.833	11.857	11.881	11.904	11.928	11.952	11.976	12.000	12.023
1.049	12.047	12.071	12.095	12.119	12.142	12.166	12.190	12.214	12.238	12.261
1.050	12.285	12.309	12.333	12.357	12.381	12.404	12.428	12.452	12.476	12.500
1.051	12.523	12.547	12.571	12.595	12.619	12.642	12.666	12.690	12.714	12.738
1.052	12.761	12.785	12.809	12.833	12.857	12.881	12.904	12.928	12.952	12.976
1.053	13.000	13.023	13.047	13.071	13.095	13.119	13.142	13.166	13.190	13.214
1.054	13.238	13.261	13.285	13.309	13.333	13.357	13.381	13.404	13.428	13.452

	0	1	2	3	4	5	6	7	8	9
1.055	13.476	13.500	13.523	13.547	13.571	13.595	13.619	13.642	13.666	13.690
1.056	13.714	13.738	13.761	13.785	13.809	13.833	13.857	13.881	13.904	13.928
1.057	13.952	13.976	14.000	14.023	14.047	14.071	14.095	14.119	14.142	14.166
1.058	14.190	14.214	14.238	14.261	14.285	14.309	14.333	14.357	14.381	14.404
1.059	14.428	14.452	14.476	14.500	14.523	14.547	14.571	14.595	14.619	14.642
1.060	14.666	14.690	14.714	14.738	14.761	14.785	14.809	14.833	14.857	14.881
1.061	14.904	14.928	14.952	14.976	15.000	15.023	15.046	15.070	15.093	15.116
1.062	15.139	15.162	15.186	15.209	15.232	15.255	15.278	15.302	15.325	15.348
1.063	15.371	15.395	15.418	15.441	15.464	15.488	15.511	15.534	15.557	15.581
1.064	15.604	15.627	15.650	15.674	15.697	15.721	15.744	15.767	15.790	15.814
1.065	15.837	15.860	15.883	15.907	15.930	15.953	15.976	16.000	16.023	16.046
1.066	16.070	16.093	16.116	16.139	16.162	16.186	16.209	16.232	16.255	16.278
1.067	16.302	16.325	16.348	16.371	16.395	16.418	16.441	16.464	16.488	16.511
1.068	16.534	16.557	16.581	16.604	16.627	16.650	16.674	16.697	16.721	16.744
1.069	16.767	16.790	16.814	16.837	16.860	16.883	16.907	16.930	16.953	16.976
1.070	17.000	17.022	17.045	17.067	17.090	17.113	17.136	17.158	17.181	17.204
1.071	17.227	17.250	17.272	17.295	17.318	17.340	17.363	17.386	17.409	17.431
1.072	17.454	17.477	17.500	17.522	17.545	17.568	17.590	17.613	17.636	17.659
1.073	17.681	17.704	17.727	17.750	17.772	17.795	17.818	17.841	17.863	17.886
1.074	17.909	17.931	17.954	17.977	18.000	18.022	18.045	18.067	18.090	18.113
1.075	18.137	18.158	18.181	18.204	18.227	18.250	18.272	18.295	18.318	18.340
1.076	18.363	18.386	18.409	18.431	18.454	18.477	18.500	18.522	18.545	18.569
1.077	18.590	18.613	18.636	18.659	18.681	18.704	18.724	18.750	18.772	18.795
1.078	18.818	18.841	18.863	18.886	18.909	18.931	18.954	18.977	19.000	19.022
1.079	19.045	19.067	19.090	19.113	19.136	19.158	19.181	19.204	19.227	19.250

Tabelle XII

zum Vergleiche zwischen Gewichtsprozenten Zucker oder Graden nach Brix (oder Balling), spezifischem Gewichte und Graden nach Beaumé.

Temperatur 17.5° C.

Gew.- Prozente Zucker od. Brix °	Spez. Gewicht	Grade Beaumé		Gew.- Prozente Zucker od. Brix °	Spez. Gewicht	Grade Beaumé	
		neue, ver- besserte	ältere			neue, ver- besserte	ältere
60.1	1.290	33.0	32.4	61.1	1.296	33.6	32.9
60.2	1.291	33.1	32.5	61.2	1.297	33.6	33.0
60.3	1.292	33.1	32.5	61.3	1.298	33.7	33.0
60.4	1.292	33.2	32.6	61.4	1.298	33.7	33.1
60.5	1.293	33.2	32.6	61.5	1.299	33.8	33.1
60.6	1.293	33.3	32.7	61.6	1.299	33.8	33.2
60.7	1.294	33.35	32.7	61.7	1.300	33.9	33.2
60.8	1.295	33.4	32.8	61.8	1.301	33.9	33.3
60.9	1.295	33.45	32.8	61.9	1.301	34.0	33.3
61.0	1.296	33.5	32.9	62.0	1.302	34.0	33.4

Gew.- Prozente Zucker od. Brix °	Spez. Gewicht	Grade Beaumé		Gew.- Prozente Zucker od. Brix °	Spez. Gewicht	Grade Beaumé	
		neue, ver- besserte	ältere			neue, ver- besserte	ältere
62.1	1.302	34.1	33.4	67.1	1.333	36.6	36.0
62.2	1.303	34.1	33.5	67.2	1.333	36.7	36.0
62.3	1.304	34.2	33.5	67.3	1.334	36.75	36.1
62.4	1.304	34.2	33.6	67.4	1.335	36.8	36.1
62.5	1.305	34.3	33.6	67.5	1.335	36.85	36.2
62.6	1.305	34.3	33.7	67.6	1.336	36.9	36.2
62.7	1.306	34.4	33.7	67.7	1.336	36.95	36.3
62.8	1.307	34.4	33.8	67.8	1.337	37.0	36.3
62.9	1.307	34.5	33.8	67.9	1.338	37.0	36.4
63.0	1.308	34.5	33.9	68.0	1.338	37.1	36.4
63.1	1.308	34.6	33.9	68.1	1.339	37.1	36.5
63.2	1.309	34.6	34.0	68.2	1.340	37.2	36.5
63.3	1.310	34.7	34.0	68.3	1.340	37.3	36.6
63.4	1.310	34.7	34.1	68.4	1.341	37.3	36.6
63.5	1.311	34.8	34.1	68.5	1.341	37.4	36.7
63.6	1.311	34.85	34.2	68.6	1.342	37.4	36.7
63.7	1.312	34.9	34.2	68.7	1.343	37.5	36.8
63.8	1.313	34.95	34.3	68.8	1.343	37.5	36.8
63.9	1.313	35.0	34.3	68.9	1.344	37.6	36.9
64.0	1.314	35.1	34.4	69.0	1.345	37.6	36.9
64.1	1.314	35.1	34.4	69.1	1.345	37.7	37.0
64.2	1.315	35.2	34.5	69.2	1.346	37.7	37.0
64.3	1.316	35.2	34.5	69.3	1.346	37.8	37.1
64.4	1.316	35.3	34.6	69.4	1.347	37.8	37.1
64.5	1.317	35.3	34.6	69.5	1.348	37.9	37.2
64.6	1.317	35.4	34.7	69.6	1.348	37.9	37.2
64.7	1.318	35.4	34.7	69.7	1.349	38.0	37.3
64.8	1.319	35.5	34.8	69.8	1.350	38.0	37.3
64.9	1.319	35.5	34.8	69.9	1.350	38.1	37.4
65.0	1.320	35.6	34.9	70.0	1.351	38.1	37.4
65.1	1.320	35.6	34.95	70.1	1.351	38.2	37.5
65.2	1.321	35.7	35.0	70.2	1.352	38.2	37.5
65.3	1.322	35.7	35.05	70.3	1.353	38.3	37.6
65.4	1.322	35.8	35.1	70.4	1.353	38.3	37.6
65.5	1.323	35.8	35.15	70.5	1.354	38.4	37.7
65.6	1.324	35.9	35.2	70.6	1.355	38.4	37.7
65.7	1.324	35.9	35.25	70.7	1.355	38.5	37.8
65.8	1.325	36.0	35.3	70.8	1.356	38.5	37.8
65.9	1.325	36.0	35.35	70.9	1.357	38.6	37.9
66.0	1.326	36.1	35.4	71.0	1.357	38.6	37.9
66.1	1.327	36.1	35.5	71.1	1.358	38.7	37.9
66.2	1.327	36.2	35.5	71.2	1.358	38.7	38.0
66.3	1.328	36.2	35.6	71.3	1.359	38.8	38.0
66.4	1.328	36.3	35.6	71.4	1.360	38.8	38.1
66.5	1.329	36.3	35.7	71.5	1.360	38.9	38.1
66.6	1.330	36.4	35.7	71.6	1.361	38.9	38.2
66.7	1.330	36.4	35.8	71.7	1.362	39.0	38.2
66.8	1.331	36.5	35.8	71.8	1.362	39.0	38.3
66.9	1.331	36.5	35.9	71.9	1.363	39.1	38.3
67.0	1.332	36.6	35.9	72.0	1.364	39.1	38.4

Gew.- Prozente Zucker od. Brix °	Spez. Gewicht	Grade Beaumé		Gew.- Prozente Zucker od. Brix °	Spez. Gewicht	Grade Beaumé	
		neue, ver- besserte	ältere			neue, ver- besserte	ältere
72.1	1.364	39.2	38.4	77.1	1.397	41.7	40.9
72.2	1.365	39.2	38.5	77.2	1.397	41.7	40.9
72.3	1.365	39.3	38.5	77.3	1.398	41.8	41.0
72.4	1.366	39.3	38.6	77.4	1.399	41.8	41.0
72.5	1.367	39.4	38.6	77.5	1.399	41.9	41.1
72.6	1.367	39.4	38.7	77.6	1.400	41.9	41.1
72.7	1.368	39.5	38.7	77.7	1.400	42.0	41.2
72.8	1.369	39.5	38.8	77.8	1.401	42.0	41.2
72.9	1.369	39.6	38.8	77.9	1.402	42.1	41.3
73.0	1.370	39.6	38.9	78.0	1.402	42.1	41.3
73.1	1.370	39.7	38.9	78.1	1.403	42.2	41.4
73.2	1.371	39.7	39.0	78.2	1.404	42.2	41.4
73.3	1.372	39.8	39.0	78.3	1.404	42.3	41.5
73.4	1.373	39.8	39.1	78.4	1.405	42.3	41.5
73.5	1.373	39.9	39.1	78.5	1.406	42.4	41.6
73.6	1.374	39.9	39.2	78.6	1.406	42.4	41.6
73.7	1.374	40.0	39.2	78.7	1.407	42.5	41.7
73.8	1.375	40.0	39.3	78.8	1.408	42.5	41.7
73.9	1.376	40.1	39.3	78.9	1.408	42.6	41.8
74.0	1.376	40.1	39.4	79.0	1.409	42.6	41.8
74.1	1.377	40.2	39.4	79.1	1.410	42.7	41.9
74.2	1.378	40.2	39.5	79.2	1.410	42.7	41.9
74.3	1.378	40.3	39.5	79.3	1.411	42.8	42.0
74.4	1.379	40.3	39.6	79.4	1.412	42.8	42.0
74.5	1.380	40.4	39.6	79.5	1.412	42.9	42.1
74.6	1.380	40.4	39.7	79.6	1.413	42.9	42.1
74.7	1.381	40.5	39.7	79.7	1.414	43.0	42.1
74.8	1.381	40.5	39.8	79.8	1.414	43.0	42.2
74.9	1.382	40.6	39.8	79.9	1.415	43.1	42.2
75.0	1.383	40.6	39.9	80.0	1.416	43.1	42.3
75.1	1.383	40.7	39.9	80.1	1.416	43.2	42.3
75.2	1.384	40.7	40.0	80.2	1.417	43.2	42.4
75.3	1.385	40.8	40.0	80.3	1.418	43.2	42.4
75.4	1.385	40.8	40.1	80.4	1.418	43.3	42.5
75.5	1.386	40.9	40.1	80.5	1.419	43.3	42.5
75.6	1.387	40.9	40.2	80.6	1.420	43.4	42.6
75.7	1.387	41.0	40.2	80.7	1.420	43.45	42.6
75.8	1.388	41.0	40.3	80.8	1.421	43.5	42.7
75.9	1.389	41.1	40.3	80.9	1.422	43.55	42.7
76.0	1.389	41.1	40.4	81.0	1.422	43.6	42.8
76.1	1.390	41.2	40.4	81.1	1.423	43.65	42.8
76.2	1.391	41.2	40.5	81.2	1.424	43.7	42.9
76.3	1.391	41.3	40.5	81.3	1.425	43.7	42.9
76.4	1.392	41.3	40.6	81.4	1.425	43.8	43.0
76.5	1.393	41.4	40.6	81.5	1.426	43.8	43.0
76.6	1.393	41.4	40.7	81.6	1.427	43.9	43.1
76.7	1.394	41.5	40.7	81.7	1.427	43.9	43.1
76.8	1.395	41.5	40.8	81.8	1.428	44.0	43.2
76.9	1.395	41.6	40.8	81.9	1.429	44.0	43.2
77.0	1.396	41.6	40.8	82.0	1.429	44.1	43.2

Gew.- Prozente Zucker od. Brix ^o	Spez. Gewicht	Grade Beaumé		Gew.- Prozente Zucker od. Brix ^o	Spez. Gewicht	Grade Beaumé	
		neue, ver- besserte	ältere			neue, ver- besserte	ältere
82.1	1.430	44.1	43.3	87.1	1.464	46.55	45.7
82.2	1.431	44.2	43.3	87.2	1.465	46.6	45.7
82.3	1.431	44.2	43.4	87.3	1.466	46.65	45.8
82.4	1.432	44.3	43.4	87.4	1.466	46.7	45.8
82.5	1.433	44.3	43.5	87.5	1.467	46.7	45.8
82.6	1.433	44.4	43.5	87.6	1.468	46.8	45.9
82.7	1.434	44.4	43.6	87.7	1.469	46.8	45.9
82.8	1.435	44.5	43.6	87.8	1.469	46.9	46.0
82.9	1.435	44.5	43.7	87.9	1.470	46.9	46.0
83.0	1.436	44.6	43.7	88.0	1.471	47.0	46.1
83.1	1.437	44.6	43.8	88.1	1.471	47.0	46.1
83.2	1.438	44.7	43.8	88.2	1.472	47.1	46.2
83.3	1.438	44.7	43.9	88.3	1.473	47.1	46.2
83.4	1.439	44.8	43.9	88.4	1.473	47.2	46.3
88.5	1.440	44.8	44.0	88.5	1.474	47.2	46.3
83.6	1.440	44.9	44.0	88.6	1.475	47.3	46.4
83.7	1.441	44.9	44.1	88.7	1.476	47.3	46.4
83.8	1.442	45.0	44.1	88.8	1.476	47.4	46.5
83.9	1.442	45.0	44.2	88.9	1.477	47.4	46.5
84.0	1.443	45.1	44.2	89.0	1.478	47.45	46.5
84.1	1.444	45.1	44.2	89.1	1.478	47.5	46.6
84.2	1.444	45.15	44.3	89.2	1.479	47.55	46.6
84.3	1.445	45.2	44.3	89.3	1.480	47.6	46.7
84.4	1.446	45.25	44.4	89.4	1.481	47.6	46.7
84.5	1.446	45.3	44.4	89.5	1.481	47.7	46.8
84.6	1.447	45.35	44.5	89.6	1.482	47.7	46.8
84.7	1.448	45.4	44.5	89.7	1.483	47.8	46.9
84.8	1.448	45.4	44.6	89.8	1.483	47.8	46.9
84.9	1.449	45.5	44.6	89.9	1.484	47.9	47.0
85.0	1.450	45.5	44.7	90.0	1.485	47.9	47.0
85.1	1.450	45.6	44.7	90.1	1.485	48.0	47.1
85.2	1.451	45.6	44.8	90.2	1.486	48.0	47.1
85.3	1.452	45.7	44.8	90.3	1.487	48.1	47.2
85.4	1.453	45.7	44.9	90.4	1.488	48.1	47.2
85.5	1.453	45.8	44.9	90.5	1.488	48.2	47.2
85.6	1.454	45.8	45.0	90.6	1.489	48.2	47.3
85.7	1.455	45.9	45.0	90.7	1.490	48.3	47.3
85.8	1.455	45.9	45.0	90.8	1.490	48.3	47.4
85.9	1.456	46.0	45.1	90.9	1.491	48.35	47.4
86.0	1.457	46.0	45.1	91.0	1.492	48.4	47.5
86.1	1.457	46.1	45.2	91.1	1.493	48.45	47.5
86.2	1.458	46.1	45.2	91.2	1.493	48.5	47.6
86.3	1.459	46.2	45.3	91.3	1.494	48.5	47.6
86.4	1.460	46.2	45.3	91.4	1.494	48.6	47.7
86.5	1.460	46.3	45.4	91.5	1.495	48.6	47.7
86.6	1.461	46.3	45.4	91.6	1.496	48.7	47.8
86.7	1.462	46.35	45.5	91.7	1.497	48.7	47.8
86.8	1.462	46.4	45.5	91.8	1.498	48.8	47.8
86.9	1.463	46.45	45.6	91.9	1.498	48.8	47.9
87.0	1.464	46.5	45.6	92.0	1.499	48.9	47.9

Gew.- Prozente Zucker od. Brix ^o	Spez. Gewicht	Grade Beaumé		Gew.- Prozente Zucker od. Brix ^o	Spez. Gewicht	Grade Beaumé	
		neue, ver- besserte	ältere			neue, ver- besserte	ältere
92.1	1.500	48.9	48.0	93.6	1.511	49.6	48.7
92.2	1.500	49.0	48.0	93.7	1.511	49.7	48.7
92.3	1.501	49.0	48.1	93.8	1.512	49.7	48.8
92.4	1.502	49.05	48.1	93.9	1.513	49.8	48.8
92.5	1.503	49.1	48.2	94.0	1.513	49.8	48.8
92.6	1.503	49.15	48.2	94.1	1.514	49.85	48.9
92.7	1.504	49.2	48.3	94.2	1.515	49.9	48.9
92.8	1.505	49.2	48.3	94.3	1.516	49.9	49.0
92.9	1.506	49.3	48.3	94.4	1.516	50.0	49.0
93.0	1.506	49.3	48.4	94.5	1.517	50.0	49.1
93.1	1.507	49.4	48.4	94.6	1.518	50.1	49.1
93.2	1.508	49.4	48.5	94.7	1.519	50.1	49.2
93.3	1.508	49.5	48.5	94.8	1.519	50.2	49.2
93.4	1.509	49.5	48.6	94.9	1.520	50.2	49.3
93.5	1.510	49.6	48.6	95.0	1.520	50.3	49.3

Tabelle XIII.

Ermittelung des Alkoholgehaltes.

Aus K. Windischs Alkoholtafel. Berlin 1893.

Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum- prozent- Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum- prozent- Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum- prozent- Alkohol
1.0000	0.00	0.00	0.9979	1.12	1.41	0.9959	2.21	2.79
0.9999	0.05	0.07	8	1.17	1.48	8	2.27	2.86
8	0.11	0.13	7	1.22	1.54	7	2.32	2.93
7	0.16	0.20	6	1.28	1.61	6	2.38	3.00
6	0.21	0.27	5	1.33	1.68	5	2.43	3.07
5	0.26	0.33	4	1.39	1.75	4	2.49	3.14
4	0.32	0.40	3	1.44	1.82	3	2.55	3.21
3	0.37	0.47	2	1.50	1.88	2	2.60	3.28
2	0.42	0.53	1	1.55	1.95	1	2.66	3.35
1	0.47	0.67	0	1.60	2.02	0	2.72	3.42
0	0.53	0.70	0.9969	1.66	2.09	0.9949	2.77	3.49
0.9989	0.58	0.73	8	1.71	2.16	8	2.82	3.56
8	0.64	0.80	7	1.77	2.23	7	2.88	3.64
7	0.69	0.87	6	1.82	2.30	6	2.94	3.71
6	0.74	0.93	5	1.88	2.37	5	3.00	3.78
5	0.80	1.00	4	1.93	2.44	4	3.06	3.85
4	0.85	1.07	3	1.99	2.51	3	3.12	3.93
3	0.90	1.14	2	2.04	2.58	2	3.17	4.00
2	0.96	1.20	1	2.10	2.65	1	3.23	4.07
1	1.01	1.27	0	2.16	2.72	0	3.29	4.14
0	1.06	1.34						

Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol
0.9939	3.35	4.22	0.9889	6.40	8.07	0.9839	9.85	12.41
8	3.40	4.29	8	6.47	8.15	8	9.92	12.50
7	3.46	4.36	7	6.53	8.23	7	9.99	12.59
6	3.52	4.43	6	6.59	8.31	6	10.07	12.69
5	3.58	4.51	5	6.66	8.40	5	10.14	12.78
4	3.64	4.58	4	6.73	8.48	4	10.22	12.88
3	3.69	4.65	3	6.79	8.56	3	10.29	12.97
2	3.75	4.73	2	6.86	8.64	2	10.36	13.06
1	3.81	4.80	1	6.93	8.73	1	10.44	13.16
0	3.87	4.88	0	6.99	8.81	0	10.52	13.25
0.9929	3.93	4.95	0.9879	7.06	8.89	0.9829	10.59	13.34
8	3.99	5.03	8	7.12	8.98	8	10.66	13.44
7	4.05	5.10	7	7.19	9.06	7	10.74	13.53
6	4.11	5.18	6	7.26	9.15	6	10.81	13.63
5	4.17	5.25	5	7.33	9.23	5	10.89	13.72
4	4.23	5.33	4	7.39	9.32	4	10.96	13.82
3	4.29	5.40	3	7.46	9.40	3	11.04	13.91
2	4.35	5.48	2	7.53	9.48	2	11.12	14.01
1	4.41	5.55	1	7.60	9.57	1	11.19	14.10
0	4.47	5.63	0	7.66	9.66	0	11.27	14.20
0.9919	4.53	5.70	0.9869	7.73	9.74	0.9819	11.34	14.29
8	4.59	5.78	8	7.80	9.83	8	11.42	14.39
7	4.65	5.86	7	7.87	9.91	7	11.49	14.48
6	4.71	5.93	6	7.94	10.00	6	11.57	14.58
5	4.77	6.01	5	8.00	10.09	5	11.65	14.68
4	4.83	6.09	4	8.07	10.17	4	11.72	14.77
3	4.89	6.11	3	8.14	10.26	3	11.80	14.87
2	4.95	6.24	2	8.21	10.35	2	11.88	14.97
1	5.01	6.32	1	8.28	10.43	1	11.96	15.07
0	5.08	6.40	0	8.35	10.52	0	12.03	15.16
0.9909	5.14	6.47	0.9859	8.42	10.61	0.9809	12.11	15.26
8	5.20	6.55	9	8.49	10.70	8	12.19	15.36
7	5.26	6.63	7	8.56	10.79	7	12.27	15.46
6	5.32	6.71	6	8.63	10.88	6	12.34	15.55
5	5.38	6.79	5	8.70	10.96	5	12.42	15.65
4	5.45	6.86	4	8.77	11.05	4	12.50	15.75
3	5.51	6.94	3	8.84	11.14	3	12.58	15.85
2	5.57	7.02	2	8.91	11.23	2	12.65	15.95
1	5.64	7.10	1	8.98	11.32	1	12.73	16.07
0	5.70	7.18	0	9.06	11.41	0	12.81	16.14
0.9899	5.76	7.26	0.9849	9.13	11.50	0.9799	12.89	16.24
8	5.93	7.34	8	9.20	11.59	8	12.97	16.34
7	5.89	7.42	7	9.27	11.68	7	13.05	16.44
6	5.95	7.50	6	9.34	11.77	6	13.13	16.54
5	6.02	7.58	5	9.42	11.86	5	13.20	16.64
4	6.08	7.66	4	9.49	11.95	4	13.28	16.74
3	6.14	7.74	3	9.56	12.05	3	13.36	16.84
2	6.21	7.82	2	9.63	12.14	2	13.44	16.94
1	6.27	7.90	1	9.70	12.23	1	13.52	17.04
0	6.34	7.99	0	9.79	12.32	0	13.60	17.14

	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol
41	0.9789	13.68	17.24	0.9739	17.66	22.26	0.9689	21.47	27.05
50	8	13.76	17.34	8	17.74	22.35	8	21.54	27.14
59	7	13.84	17.47	7	17.82	22.45	7	21.61	27.24
69	6	13.92	17.54	6	17.90	22.55	6	21.69	27.33
78	5	14.00	17.64	5	17.98	22.65	5	21.76	27.42
88	4	14.08	17.74	4	18.05	22.75	4	21.83	27.51
97	3	14.15	17.84	3	18.13	22.85	3	21.90	27.60
06	2	14.23	17.94	2	18.21	22.95	2	21.97	27.69
16	1	14.31	18.04	1	18.29	22.05	1	22.05	27.78
25	0	14.39	18.14	0	18.37	23.14	0	22.12	27.87
34	0.9779	14.47	18.24	0.9729	18.45	23.24	0.9679	22.19	27.96
44	8	14.55	18.34	8	18.52	23.34	8	22.26	28.05
53	7	14.63	18.44	7	18.60	23.44	7	22.33	28.14
63	6	14.71	18.54	6	18.68	23.54	6	22.40	28.23
72	5	14.79	18.64	5	18.76	23.63	5	22.47	28.32
82	4	14.87	18.74	4	18.84	23.73	4	22.54	28.41
91	3	14.95	18.84	3	18.91	23.83	3	22.61	28.50
01	2	15.03	18.94	2	18.99	23.93	2	22.68	28.59
10	1	15.11	19.04	1	19.07	24.02	1	22.75	28.67
20	0	15.19	19.14	0	19.14	24.12	0	22.82	28.76
29	0.9769	15.27	19.24	0.9719	19.22	24.22	0.9669	22.89	28.85
39	8	15.35	19.34	8	19.30	24.32	8	22.96	28.94
48	7	15.43	19.44	7	19.37	24.41	7	23.03	29.03
58	6	15.51	19.55	6	19.45	24.51	6	23.10	29.11
68	5	15.59	19.65	5	19.53	24.60	5	23.17	29.20
77	4	15.67	19.75	4	19.60	24.70	4	23.24	29.29
87	3	15.75	19.85	3	19.68	24.80	3	23.31	29.38
97	2	15.83	19.95	2	19.76	24.89	2	23.38	29.46
07	1	15.91	20.05	1	19.83	24.99	1	23.45	29.55
16	0	15.99	20.15	0	19.91	25.08	0	23.52	29.64
26	0.9759	16.07	20.25	0.9709	19.98	25.18	0.9659	23.59	29.72
36	8	16.15	20.35	8	20.06	25.27	8	23.65	29.81
46	7	16.23	20.45	7	20.13	25.37	7	23.72	29.89
55	6	16.31	20.55	6	20.21	25.47	6	23.79	29.98
65	5	16.39	20.65	5	20.28	25.56	5	23.86	30.06
75	4	16.47	20.75	4	20.36	25.66	4	23.93	30.15
85	3	16.55	20.86	3	20.43	25.75	3	23.99	30.23
95	2	16.63	20.96	2	20.51	25.84	2	24.06	30.32
07	1	16.71	21.06	1	20.58	25.94	1	24.13	30.40
14	0	16.79	21.16	0	20.66	26.03	0	24.19	30.49
24	0.9749	16.87	21.26	0.9699	20.73	26.13	0.9649	24.26	30.57
34	8	16.95	21.36	8	20.81	26.22	8	24.33	30.66
44	7	17.03	21.46	7	20.88	26.31	7	24.39	30.74
54	6	17.11	21.56	6	20.96	26.41	6	24.46	30.82
64	5	17.19	21.66	5	21.03	26.50	5	24.53	30.91
74	4	17.27	21.76	4	21.10	26.59	4	24.59	30.99
84	3	17.35	21.86	3	21.18	26.69	3	24.66	31.07
94	2	17.42	21.96	2	21.25	26.78	2	24.73	31.16
04	1	17.50	22.06	1	21.32	26.87	1	24.79	31.24
14	0	17.58	22.16	0	21.40	26.96	0	24.85	31.32

Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol
0.9639	24.92	31.41	0.9589	28.01	35.30	0.5939	30.80	38.81
8	24.99	31.49	8	28.07	35.37	8	30.85	38.88
7	25.05	31.57	7	28.13	35.44	7	30.90	38.94
6	25.12	31.65	6	28.19	35.52	6	30.96	39.01
5	25.18	31.73	5	28.24	35.59	5	31.01	39.07
4	25.25	31.81	4	28.30	35.66	4	31.06	39.14
3	25.31	31.89	3	28.36	35.74	3	31.11	39.21
2	25.37	31.98	2	28.42	35.81	2	31.17	39.27
1	25.44	32.06	1	28.47	35.88	1	31.22	39.34
0	25.50	32.14	0	28.53	35.95	0	31.27	39.40
0.9629	25.56	32.22	0.9579	28.59	36.03	0.9529	31.32	39.47
8	25.63	32.30	8	28.65	36.10	8	31.38	39.54
7	25.69	32.38	7	28.70	36.17	7	31.43	39.60
6	25.76	32.46	6	28.76	36.24	6	31.48	39.67
5	25.82	32.54	5	28.82	36.31	5	31.53	39.73
4	25.88	32.62	4	28.87	36.38	4	31.58	39.80
3	25.95	32.70	3	28.93	36.46	3	31.63	39.86
2	26.01	32.78	2	28.99	36.53	2	31.69	39.93
1	26.07	32.85	1	29.04	36.60	1	31.74	39.99
0	26.13	32.93	0	29.10	36.67	0	31.79	40.06
0.9619	26.20	33.01	0.9569	29.16	36.74	0.9519	31.84	40.12
8	26.26	33.09	8	29.21	36.81	8	31.89	40.19
7	26.32	33.17	7	29.27	36.88	7	31.94	40.25
6	26.38	33.25	6	29.33	36.95	6	32.00	40.32
5	26.45	33.33	5	29.38	37.02	5	32.05	40.38
4	26.51	33.40	4	29.44	37.09	4	32.10	40.44
3	26.57	33.48	3	29.49	37.16	3	32.15	40.51
2	26.63	33.56	2	29.55	37.23	2	32.20	40.57
1	26.69	33.64	1	29.60	37.30	1	32.25	40.64
0	26.75	33.71	0	29.66	37.37	0	32.30	40.70
0.9609	26.82	33.79	0.9559	29.71	37.44	0.9509	32.35	40.76
8	26.88	33.87	8	29.77	37.51	8	32.40	40.83
7	26.94	33.94	7	29.82	37.58	7	32.45	40.89
6	27.00	34.02	6	29.88	37.65	6	32.50	40.96
5	27.06	34.10	5	29.93	37.72	5	32.55	41.02
4	27.12	34.17	4	29.99	37.79	4	32.60	41.08
3	27.18	34.25	3	30.04	37.86	3	32.65	41.15
2	27.24	34.33	2	30.10	37.93	2	32.70	41.21
1	27.30	34.40	1	30.15	38.00	1	32.75	41.27
0	27.36	34.47	0	30.21	38.06	0	32.80	41.33
0.9599	27.42	34.55	0.9549	30.26	38.13	0.9499	32.85	41.40
8	27.48	34.63	8	30.31	38.20	8	32.90	41.46
7	27.54	34.70	7	30.37	38.27	7	32.95	41.52
6	27.60	34.78	6	30.42	38.34	6	33.00	41.58
5	27.66	34.85	5	30.48	38.40	5	33.05	41.64
4	27.72	34.93	4	30.53	38.47	4	33.10	41.71
3	27.78	35.00	3	30.58	38.54	3	33.15	41.77
2	27.84	35.08	2	30.64	38.61	2	33.20	41.83
1	27.89	35.15	1	30.69	38.67	1	33.25	41.89
0	27.95	35.22	0	30.74	38.74	0	33.30	41.95

Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol
0.9489	33.34	42.02	0.9250	43.52	54.84	0.8750	60.33	76.02
8	33.39	42.08	40	43.90	55.32	40	60.63	76.40
7	33.44	42.14	30	44.28	55.80	30	60.93	76.78
6	33.49	42.20	20	44.65	56.27	20	61.23	77.15
5	33.54	42.26	10	45.03	56.74	10	61.52	77.53
4	33.59	42.32	00	45.40	57.21	00	61.82	77.90
3	33.64	42.39	0.9190	45.76	57.67	0.8690	62.11	78.27
2	33.69	42.45	80	46.13	58.13	80	62.40	78.64
1	33.73	42.51	70	46.49	58.59	70	62.69	79.00
0	33.78	42.57	60	46.86	59.05	60	62.98	79.37
0.9479	33.83	42.63	50	47.22	59.50	50	63.27	79.73
8	33.88	42.69	40	47.57	59.95	40	63.56	80.09
7	33.92	42.75	30	47.93	60.40	30	63.85	80.45
6	33.97	42.81	20	48.28	60.84	20	64.13	80.81
5	34.02	42.87	10	48.64	61.29	10	64.41	81.17
4	34.07	42.93	00	48.99	61.73	00	64.69	81.52
3	34.12	42.99	0.9090	49.33	62.17	0.8590	64.97	81.87
2	34.16	43.05	80	49.68	62.61	80	65.25	82.23
1	34.21	43.11	70	50.03	63.04	70	65.53	82.57
0	34.26	43.17	60	50.37	63.47	60	65.83	82.96
0.9469	34.31	43.23	50	50.71	63.91	50	66.08	83.27
8	34.35	43.29	40	51.06	64.34	40	66.36	83.61
7	34.40	43.35	30	51.39	64.76	30	66.63	83.96
6	34.45	43.41	20	51.73	65.19	20	66.90	84.30
5	34.50	43.47	10	52.07	65.61	10	67.16	84.64
4	34.54	43.53	00	52.40	66.03	00	67.43	84.97
3	34.59	43.59	0.8990	52.74	66.45	0.8490	67.70	85.31
2	34.64	43.65	80	53.07	66.87	80	67.96	85.64
1	34.69	43.71	70	53.40	67.29	70	68.23	85.97
0	34.73	43.77	60	53.73	67.70	60	68.49	86.30
0.9450	35.20	44.35	50	54.05	68.12	50	68.75	86.63
40	35.66	44.93	40	54.38	68.53	40	69.00	86.95
30	36.11	45.50	30	54.71	68.94	30	69.26	87.27
20	36.56	46.07	20	55.03	69.34	20	69.52	87.60
10	37.00	46.63	10	55.35	69.75	10	69.77	87.92
00	37.44	47.18	00	55.67	70.16	00	70.02	88.23
0.9390	37.87	47.72	0.8890	55.99	70.56	0.8390	70.27	88.55
80	38.30	48.26	80	56.31	70.96	80	70.52	88.86
70	38.72	48.80	70	56.63	71.36	70	70.77	89.18
60	39.14	49.33	60	56.94	71.76	60	71.01	89.48
50	39.56	49.85	50	57.26	72.15	50	71.26	89.79
40	39.97	50.37	40	57.57	72.55	40	71.50	90.09
30	40.38	50.88	30	57.88	72.94	30	71.74	90.40
20	40.78	51.39	20	58.19	73.33	20	71.97	90.70
10	41.18	51.89	10	58.50	73.72	10	72.21	90.99
00	41.58	52.39	00	58.81	74.11	00	72.44	91.29
0.9290	41.97	52.89	0.8790	59.12	74.49	0.8290	72.67	91.58
80	42.37	53.39	80	59.42	74.88	80	72.90	91.87
70	42.76	53.88	70	59.73	75.26	70	73.13	92.15
60	43.14	54.36	60	60.03	75.64	60	73.36	92.44

Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol	Spez. Gewicht des Destillates	Gramm Alkohol in 100 ccm	Volum-prozente Alkohol
0.8250	73.58	92.72	0.8140	75.89	95.63	0.8030	77.93	98.20
40	73.80	93.00	30	76.09	95.88	20	78.10	98.42
30	74.02	93.28	20	76.29	96.13	10	78.27	98.63
20	74.24	93.55	10	76.48	96.37	00	78.44	98.84
10	74.45	93.82	00	76.67	96.61			
00	74.66	94.09				0.7990	78.61	99.05
			0.8090	76.86	96.85	80	78.77	99.26
0.8190	74.87	94.35	80	77.04	97.08	70	78.93	99.46
80	75.08	94.61	70	77.20	97.31	60	79.08	99.66
70	75.29	94.87	60	77.40	97.54	50	79.24	99.86
60	75.49	95.13	50	77.58	97.76			
50	75.69	95.38	40	77.76	97.99	0.7942	79.36	100.00

Tabelle XIV.

Ermittlung des Alkoholgehaltes aus dem spez. Gewicht bei 15.5° C. Nach O. Hehner.

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.-Proz.	Vol.-Proz.		Gew.-Proz.	Vol.-Proz.		Gew.-Proz.	Vol.-Proz.
1.0000	0.00	0.00	0.9979	1.12	1.42	0.9959	2.33	2.93
			8	1.19	1.49	8	2.39	3.00
0.9999	0.05	0.07	7	1.25	1.57	7	2.44	3.07
8	0.11	0.13	6	1.31	1.65	6	2.50	3.14
7	0.16	0.20	5	1.37	1.73	5	2.56	3.21
6	0.21	0.26	4	1.44	1.81	4	2.61	3.28
5	0.26	0.33	3	1.50	1.88	3	2.67	3.35
4	0.32	0.40	2	1.56	1.96	2	2.72	3.42
3	0.37	0.46	1	1.62	2.04	1	2.78	3.49
2	0.42	0.53	0	1.69	2.12	0	2.83	3.55
1	0.47	0.60						
0	0.53	0.66	0.9969	1.75	2.20	0.9949	2.89	3.62
			8	1.81	2.27	8	2.94	3.69
0.9989	0.58	0.73	7	1.87	2.35	7	3.00	3.76
8	0.63	0.79	6	1.94	2.43	6	3.06	3.83
7	0.68	0.86	5	2.00	2.51	5	3.12	3.90
6	0.74	0.93	4	2.06	2.58	4	3.18	3.98
5	0.79	0.99	3	2.11	2.62	3	3.24	4.05
4	0.84	1.06	2	2.17	2.72	2	3.29	4.12
3	0.89	1.13	1	2.22	2.79	1	3.35	4.20
2	0.95	1.19	0	2.28	2.86	0	3.41	4.27
1	1.00	1.26						
0	1.06	1.34						

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.-Proz.	Vol.-Proz.		Gew.-Proz.	Vol.-Proz.		Gew.-Proz.	Vol.-Proz.
0.9939	3.47	4.34	0.9889	6.64	8.27	0.9839	10.15	12.58
8	3.53	4.42	8	6.71	8.36	8	10.23	12.68
7	3.59	4.49	7	6.78	8.45	7	10.31	12.77
6	3.65	4.56	6	6.86	8.54	6	10.38	12.87
5	3.71	4.63	5	6.93	8.63	5	10.46	12.96
4	3.76	4.71	4	7.00	8.72	4	10.54	13.05
3	3.82	4.78	3	7.07	8.80	3	10.62	13.15
2	3.88	4.85	2	7.13	8.88	2	10.69	13.24
1	3.94	4.93	1	7.20	8.96	1	10.77	13.34
0	4.00	5.00	0	7.27	9.04	0	10.85	13.43
0.9929	4.06	5.08	0.9879	7.33	9.13	0.9829	10.92	13.52
8	4.12	5.16	8	7.40	9.21	8	11.00	13.62
7	4.19	5.24	7	7.47	9.29	7	11.08	13.71
6	4.25	5.32	6	7.53	9.37	6	11.15	13.81
5	4.31	5.39	5	7.60	9.45	5	11.23	13.90
4	4.37	5.47	4	7.67	9.54	4	11.31	13.99
3	4.44	5.55	3	7.73	9.62	3	11.38	14.09
2	4.50	5.63	2	7.80	9.70	2	11.46	14.18
1	4.56	5.71	1	7.87	9.78	1	11.54	14.27
0	4.62	5.78	0	7.93	9.86	0	11.62	14.37
0.9919	4.69	5.86	0.9869	8.00	9.95	0.9819	11.69	14.46
8	4.75	5.94	8	8.07	10.03	8	11.77	14.56
7	4.81	6.02	7	8.14	10.12	7	11.85	14.65
6	4.87	6.10	6	8.21	10.21	6	11.92	14.74
5	4.94	6.17	5	8.29	10.30	5	12.00	14.84
4	5.00	6.24	4	8.36	10.38	4	12.08	14.93
3	5.06	6.32	3	8.43	10.47	3	12.15	15.02
2	5.12	6.40	2	8.50	10.56	2	12.23	15.12
1	5.19	6.48	1	8.57	10.65	1	12.31	15.21
0	5.25	6.55	0	8.64	10.73	0	12.38	15.30
0.9909	5.31	6.63	8.9859	8.71	10.82	0.9809	12.46	15.40
8	5.37	6.71	8	8.79	10.91	8	12.54	15.49
7	5.44	6.78	7	8.86	11.00	7	12.62	15.58
6	5.50	6.86	6	8.93	11.08	6	12.69	15.68
5	5.56	6.94	5	9.00	11.17	5	12.77	15.77
4	5.62	7.01	4	9.07	11.26	4	12.85	15.86
3	5.69	7.09	3	9.14	11.35	3	12.92	15.96
2	5.75	7.17	2	9.21	11.44	2	13.00	16.05
1	5.81	7.25	1	9.29	11.52	1	13.08	16.15
0	5.87	7.32	0	9.36	11.61	0	13.15	16.24
0.9899	5.94	7.40	0.9849	9.43	11.70	0.9799	13.23	16.33
8	6.00	7.48	8	9.50	11.79	8	13.31	16.43
7	6.07	7.57	7	9.57	11.87	7	13.38	16.52
6	6.14	7.66	6	9.64	11.96	6	13.46	16.61
5	6.21	7.74	5	9.71	12.05	5	13.54	16.70
4	6.28	7.83	4	9.79	12.13	4	13.62	16.80
3	6.36	7.92	3	9.86	12.22	3	13.69	16.89
2	6.43	8.01	2	9.93	12.31	2	13.77	16.98
1	6.50	8.10	1	10.00	12.40	1	13.85	17.08
0	6.57	8.18	0	10.08	12.49	0	13.92	17.17

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.
0.9789	14.00	17.26	0.0739	18.15	22.27	0.9689	22.15	27.04
8	14.09	17.37	8	18.23	22.36	8	22.23	27.13
7	14.18	17.48	7	18.31	22.46	7	22.31	27.22
6	14.27	17.59	6	18.38	22.55	6	22.38	27.31
5	14.36	17.70	5	18.46	22.64	5	22.46	27.40
4	14.45	17.81	4	18.54	22.73	4	22.54	27.49
3	14.55	17.92	3	18.62	22.82	3	22.62	27.59
2	14.64	18.03	2	18.69	22.92	2	22.69	27.68
1	14.73	18.14	1	18.77	23.01	1	22.77	27.77
0	14.82	18.25	0	18.85	23.10	0	22.85	27.86
0.9779	14.91	18.36	0.9729	18.92	23.19	0.9679	22.92	27.95
8	15.00	18.48	8	19.00	23.28	8	23.00	28.04
7	15.08	18.58	7	19.08	23.38	7	23.08	28.13
6	15.17	18.68	6	19.17	23.48	6	23.15	28.22
5	15.25	18.78	5	19.25	23.58	5	23.23	28.31
4	15.33	18.88	4	19.33	23.68	4	23.31	28.41
3	15.42	18.98	3	19.42	23.78	3	23.38	28.50
2	15.50	19.08	2	19.50	23.88	2	23.46	28.59
1	15.58	19.18	1	19.58	23.98	1	23.54	28.68
0	15.67	19.28	0	19.67	24.08	0	23.62	28.77
0.9769	15.75	19.39	0.9719	19.75	24.18	0.9669	23.69	28.86
8	15.83	19.49	8	19.83	24.28	8	23.77	28.95
7	15.92	19.59	7	19.92	24.38	7	23.85	29.04
6	16.00	19.68	6	20.00	24.48	6	23.92	29.13
5	16.08	19.78	5	20.08	24.58	5	24.00	29.22
4	16.15	19.87	4	20.17	24.68	4	24.08	29.31
3	16.23	19.96	3	20.25	24.78	3	24.15	29.40
2	16.31	20.06	2	20.33	24.88	2	24.23	29.49
1	16.38	20.15	1	20.42	24.98	1	24.31	29.58
0	16.46	20.24	0	20.50	25.07	0	24.38	29.67
0.9759	16.54	20.33	0.9709	20.58	25.17	0.9659	24.46	29.76
8	16.62	20.43	9	20.67	25.27	8	24.54	29.86
7	16.69	20.52	8	20.75	25.37	7	24.62	29.95
6	16.77	20.61	7	20.83	25.47	6	24.69	30.04
5	16.85	20.71	6	20.92	25.57	5	24.77	30.13
4	16.92	20.80	5	21.00	25.67	4	24.85	30.22
3	17.00	20.89	4	21.08	25.76	3	24.92	30.31
2	17.08	20.99	3	21.15	25.86	2	25.00	30.40
1	17.17	21.09	2	21.23	25.95	1	25.07	30.48
0	17.25	21.19	0	21.31	26.04	0	25.14	30.57
0.9749	17.33	21.29	0.9699	21.38	26.13	0.9649	25.21	30.65
8	17.42	21.39	8	21.46	26.22	8	25.29	30.73
7	17.50	21.49	7	21.54	26.31	7	25.36	30.82
6	17.58	21.59	6	21.62	26.40	6	25.43	30.90
5	17.67	21.69	5	21.69	26.49	5	25.50	30.98
4	17.75	21.79	4	21.77	26.58	4	25.57	31.07
3	17.83	21.89	3	21.85	26.67	3	25.64	31.15
2	17.92	21.99	2	21.92	26.77	2	25.71	31.23
1	18.00	22.09	1	22.00	26.86	1	25.79	31.32
0	18.08	22.18	0	22.08	26.95	0	25.86	31.40

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.
0.9639	25.93	31.48	0.9589	29.27	35.35	0.9539	32.31	38.82
8	26.00	31.57	8	29.33	35.43	8	32.37	38.89
7	26.07	31.65	7	29.40	35.51	7	32.44	39.96
6	26.13	31.72	6	29.47	35.58	6	32.50	39.04
5	26.20	31.80	5	29.53	35.66	5	32.56	39.11
4	26.27	31.88	4	29.60	35.74	4	32.62	39.18
3	26.33	31.96	3	29.67	35.81	3	32.69	39.25
2	26.40	32.03	2	29.73	35.89	2	32.75	39.32
1	26.47	32.11	1	29.80	35.97	1	32.81	39.40
0	26.53	32.19	0	29.87	36.04	0	32.87	39.47
0.9629	26.60	32.27	0.9579	29.93	36.12	0.9529	32.94	39.54
8	26.67	32.34	8	30.00	36.20	8	33.00	39.61
7	26.73	32.42	7	30.06	36.26	7	33.06	39.68
6	26.80	32.50	6	30.11	36.32	6	33.12	39.74
5	26.87	32.58	5	30.17	36.39	5	33.18	39.81
4	26.93	32.65	4	30.22	36.45	4	33.24	39.87
3	27.00	32.73	3	30.28	36.51	3	33.29	39.94
2	27.07	32.81	2	30.33	36.57	2	33.35	40.01
1	27.14	32.90	1	30.39	36.64	1	33.41	40.07
0	27.21	32.98	0	30.44	36.70	0	33.47	40.14
0.9619	27.29	33.06	0.9569	30.50	36.76	0.9519	33.53	40.20
8	27.36	33.15	8	30.56	36.83	8	33.59	40.27
7	27.43	33.23	7	30.61	36.89	7	33.65	40.34
6	27.50	33.31	6	30.67	36.95	6	33.71	40.40
5	27.57	33.39	5	30.72	37.02	5	33.76	40.47
4	27.64	33.48	4	30.78	37.08	4	33.82	40.53
3	27.71	33.56	3	30.83	37.14	3	33.88	40.60
2	27.79	33.64	2	30.89	37.20	2	33.94	40.67
1	27.86	33.73	1	30.94	37.27	1	34.00	40.74
0	27.93	33.81	0	31.00	37.34	0	34.05	40.79
0.9609	28.00	33.89	0.9559	31.06	37.41	0.9509	34.10	40.84
8	28.06	33.97	8	31.12	37.48	8	34.14	40.90
7	28.12	34.04	7	31.19	37.55	7	34.19	40.95
6	28.19	34.11	6	31.25	37.62	6	34.24	41.00
5	28.25	34.18	5	31.31	37.69	5	34.29	41.05
4	28.31	34.25	4	31.37	37.76	4	34.33	41.11
3	28.37	34.33	3	31.44	37.83	3	34.38	41.16
2	28.44	34.40	2	31.50	37.90	2	34.43	41.21
1	28.50	34.47	1	31.56	37.97	1	34.48	41.26
0	28.56	34.54	0	31.62	38.04	0	34.52	41.32
0.9599	28.62	34.61	0.9549	31.69	38.11	0.9499	34.57	41.37
8	28.69	34.69	8	31.75	38.18	8	34.62	41.42
7	28.75	34.76	7	31.81	38.25	7	34.67	41.48
6	28.81	34.83	6	31.87	38.33	6	34.71	41.53
5	28.87	34.90	5	31.94	38.40	5	34.76	41.58
4	28.94	34.97	4	32.00	38.47	4	34.81	41.63
3	29.00	35.05	3	32.06	38.53	3	34.86	41.69
2	29.07	35.12	2	32.12	38.60	2	34.90	41.74
1	29.13	35.20	1	32.19	38.68	1	34.95	41.79
0	29.20	35.28	0	32.25	38.75	0	35.00	41.84

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.
0.9489	35.05	41.90	0.9439	37.72	44.86	0.9389	40.35	47.72
8	35.10	41.95	8	37.78	44.92	8	40.40	47.78
7	35.15	42.01	7	37.83	44.98	7	40.45	47.83
6	35.20	42.06	6	37.89	45.04	6	40.50	47.89
5	35.25	42.12	5	37.94	45.10	5	40.55	47.94
4	35.30	42.17	4	38.00	45.16	4	40.60	47.99
3	35.35	42.23	3	38.06	45.22	3	40.65	48.05
2	35.40	42.29	2	38.11	45.28	2	40.70	48.10
1	35.45	42.34	1	38.17	45.34	1	40.75	48.16
0	35.50	42.40	0	38.22	45.41	0	40.80	48.21
0.9479	35.55	42.45	0.9429	38.28	45.47	0.9379	40.85	48.26
8	35.60	42.51	8	38.33	45.53	8	40.90	48.32
7	35.65	42.56	7	38.39	45.59	7	40.95	48.37
6	35.70	42.62	6	38.44	45.65	6	41.00	48.43
5	35.75	42.67	5	38.50	45.71	5	41.05	48.48
4	35.80	42.73	4	38.56	45.77	4	41.10	48.54
3	35.85	42.78	3	38.61	45.83	3	41.15	48.59
2	35.90	42.84	2	38.67	45.89	2	41.20	48.64
1	35.95	42.89	1	38.72	45.95	1	41.25	48.70
0	36.00	42.95	0	38.78	46.02	0	41.30	48.75
0.9469	36.06	43.01	0.9419	38.83	46.08	0.9369	41.35	48.80
8	36.11	43.07	8	38.89	46.14	8	41.40	48.86
7	36.17	43.13	7	38.94	46.20	7	41.45	48.91
6	36.22	43.19	6	39.00	46.26	6	41.50	48.97
5	36.28	43.26	5	39.05	46.32	5	41.55	49.02
4	36.33	43.32	4	39.10	46.37	4	41.60	49.07
3	36.39	43.38	3	39.15	46.42	3	41.65	49.13
2	36.44	43.44	2	39.20	46.48	2	41.70	49.18
1	36.50	43.50	1	39.25	46.53	1	41.75	49.23
0	36.56	43.56	0	39.30	46.59	0	41.80	49.29
0.9459	36.61	43.63	0.9409	39.35	46.64	0.9359	41.85	49.34
8	36.67	43.69	8	39.40	46.70	8	41.90	49.40
7	36.72	43.75	7	39.45	46.75	7	41.95	49.45
6	36.78	43.81	6	39.50	46.80	6	42.00	49.50
5	36.83	43.87	5	39.55	46.86	5	42.05	49.55
4	36.89	43.93	4	39.60	46.91	4	42.10	49.61
3	36.94	44.00	3	39.65	46.97	3	42.14	49.66
2	37.00	44.06	2	39.70	47.02	2	42.19	49.71
1	37.06	44.12	1	39.75	47.08	1	42.24	49.76
0	37.11	44.18	0	39.80	47.13	0	42.29	49.81
0.9449	37.17	44.24	0.9399	39.85	47.18	0.9349	42.33	49.86
8	37.22	44.30	8	39.90	47.24	8	42.38	49.91
7	37.28	44.36	7	39.95	47.29	7	42.43	49.96
6	37.33	44.43	6	40.00	47.35	6	42.48	50.01
5	37.39	44.49	5	40.05	47.40	5	42.52	50.06
4	37.44	44.55	4	40.10	47.45	4	42.57	50.11
3	37.50	44.61	3	40.15	47.51	3	42.62	50.16
2	37.56	44.67	2	40.20	47.56	2	42.67	50.21
1	37.61	44.73	1	40.25	47.62	1	42.71	50.26
0	37.67	44.79	0	40.30	47.67	0	42.76	50.31

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.- Proz.	Vol.- Proz.		Gew.- Proz.	Vol.- Proz.		Gew.- Gew.	Vol.- Proz.
0.9339	42.81	50.37	0.9280	45.55	53.24	0.8790	67.13	74.33
8	42.86	50.42	70	46.00	53.72	80	67.54	74.70
7	42.90	50.47	60	46.46	54.19	70	67.96	75.08
6	42.95	50.52	50	46.91	54.66	60	68.38	75.45
5	43.00	50.57	40	47.36	55.13	50	68.79	75.83
4	43.05	50.62	30	47.82	55.60	40	69.21	76.20
3	43.10	50.67	20	48.27	56.07	30	69.63	76.57
2	43.14	50.72	10	48.73	56.54	20	70.04	76.94
1	43.19	50.77	00	49.16	56.98	10	70.44	77.29
0	43.34	50.82				00	74.84	77.64
0.9329	43.29	50.87	0.9190	49.64	57.45	0.8690	71.25	78.00
8	43.33	50.92	80	50.09	57.92	80	71.67	78.36
7	43.39	50.97	70	50.52	58.36	70	72.09	78.73
6	43.43	51.02	60	50.96	58.80	60	72.52	79.12
5	43.48	51.07	50	51.38	59.22	50	72.96	79.50
4	43.52	51.12	40	51.79	59.63	40	73.38	79.86
3	43.57	51.17	30	52.23	60.07	30	73.79	80.22
2	43.62	51.22	20	52.58	60.52	20	74.23	80.60
1	43.67	51.27	10	53.13	60.97	10	74.68	81.00
0	43.71	51.32	00	53.57	61.40	00	75.14	81.40
0.9319	43.76	51.38	0.9090	54.00	61.84	0.8590	75.59	81.80
8	43.81	51.43	80	54.48	62.31	80	76.04	82.19
7	43.86	51.48	70	54.95	62.79	70	76.46	82.54
6	43.90	51.53	60	55.41	63.24	60	76.88	82.90
5	43.95	51.58	50	55.86	63.69	50	77.29	83.25
4	44.00	51.63	40	56.32	64.14	40	77.71	83.60
3	44.05	51.68	30	56.77	64.58	30	78.12	83.94
2	44.19	51.72	20	57.21	65.01	20	78.52	84.27
1	44.14	51.77	10	57.63	65.41	10	78.92	84.60
0	44.18	51.82	00	58.05	65.81	00	79.32	84.93
0.9309	44.23	51.87	0.8990	58.50	66.25	0.8490	79.72	85.26
8	44.27	51.91	80	58.95	66.69	80	80.13	85.59
7	44.32	51.96	70	59.39	67.11	70	80.54	85.94
6	44.36	52.01	60	59.83	67.53	60	80.96	86.28
5	44.41	52.06	50	60.26	67.93	50	81.36	86.61
4	44.46	52.10	40	60.67	68.33	40	81.76	86.93
3	44.50	52.15	30	61.08	68.72	30	82.15	87.24
2	44.55	52.20	20	61.50	69.11	20	82.54	87.55
1	44.59	52.25	10	61.92	69.50	10	82.92	87.85
0	44.64	52.29	00	62.36	69.92	00	83.31	88.16
0.9299	44.68	52.34	0.8890	62.82	70.35	0.8390	83.69	88.46
8	44.73	52.39	80	63.26	70.77	80	84.08	88.76
7	44.77	52.44	70	63.70	71.17	70	84.48	89.08
6	44.82	52.48	60	64.13	71.58	60	84.88	89.39
5	44.86	52.53	50	64.57	71.98	50	85.27	89.70
4	44.91	52.58	40	65.00	72.38	40	85.65	89.99
3	44.96	52.63	30	65.42	72.77	30	86.04	90.29
2	45.00	52.68	20	65.83	73.15	20	86.42	90.58
1	45.05	52.72	10	66.26	73.54	10	86.81	90.88
0	45.09	52.77	00	66.70	73.93	00	87.19	91.17

Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist		Spez. Gewicht bei 15.5° C.	Weingeist	
	Gew.-Proz.	Vol.-Proz.		Gew.-Proz.	Vol.-Proz.		Gew.-Proz.	Vol.-Proz.
0.8290	87.58	91.46	0.8160	92.44	95.03	0.8030	97.03	98.16
80	87.96	91.75	50	92.81	95.29	20	97.37	98.37
70	88.36	92.05	40	93.18	95.55	10	97.70	98.59
60	88.76	92.36	30	93.55	95.82	00	98.03	98.80
50	89.16	92.66	20	93.92	96.08	0.7990	98.34	98.98
40	89.54	92.94	10	94.28	96.32	80	98.66	99.16
30	89.92	93.23	00	94.62	96.55	70	98.97	99.35
20	90.29	93.49	0.8090	94.97	96.78	60	99.29	99.55
10	90.64	93.75	80	95.32	97.02	50	99.61	99.75
00	91.00	94.00	70	95.68	97.27	40	99.94	99.06
0.8190	91.36	94.26	60	96.03	97.51	0.7939	99.97	99.98
80	91.71	94.51	50	96.37	97.73	Absol. Alkohol	100.00	100.00
70	92.07	94.76	40	96.70	97.94	0.7938		

Tabelle XV.

(Zur Ermittlung der Zahl E , welche für die Wahl des bei der Extraktbestimmung des Weines anzuwendenden Verfahrens maßgebend ist.)

Nach den Angaben der Kaiserlichen Normal-Eichungs-Kommission berechnet im Kaiserlichen Gesundheitsamte.

x	E	x	E	x	E	x	E	x	E
1.0000	0.00	1.0020	0.52	1.0040	1.03	1.0060	1.55	1.0080	2.07
1	0.03	1	0.54	1	1.05	1	1.57	1	2.09
2	0.06	2	0.57	2	1.08	2	1.60	2	2.12
3	0.08	3	0.59	3	1.11	3	1.63	3	2.14
4	0.10	4	0.62	4	1.13	4	1.65	4	2.17
5	0.13	5	0.64	5	1.16	5	1.68	5	2.19
6	0.15	6	0.67	6	1.18	6	1.70	6	2.22
7	0.18	7	0.69	7	1.21	7	1.73	7	2.25
8	0.20	8	0.72	8	1.24	8	1.76	8	2.27
9	0.23	9	0.75	9	1.26	9	1.78	9	2.30
1.0010	0.26	1.0030	0.77	1.0050	1.29	1.0070	1.81	1.0090	2.32
1	0.28	1	0.80	1	1.32	1	1.83	1	2.35
2	0.31	2	0.82	2	1.34	2	1.86	2	2.38
3	0.34	3	0.85	3	1.37	3	1.88	3	2.40
4	0.36	4	0.87	4	1.39	4	1.91	4	2.43
5	0.39	5	0.90	5	1.42	5	1.94	5	2.45
6	0.41	6	0.93	6	1.45	6	1.96	6	2.48
7	0.44	7	0.95	7	1.47	7	1.99	7	2.50
8	0.46	8	0.98	8	1.50	8	2.01	8	2.53
9	0.49	9	1.00	9	1.52	9	2.04	9	2.56

x	E	x	E	x	E	x	E	x	E
1.0100	2.58	1.0150	3.87	1.0200	5.17	1.0250	6.46	1.0300	7.76
1	2.61	1	3.90	1	5.19	1	6.49	1	7.78
2	2.63	2	3.93	2	5.22	2	6.51	2	7.81
3	2.66	3	3.95	3	5.25	3	6.54	3	7.83
4	2.69	4	3.98	4	5.27	4	6.56	4	7.86
5	2.71	5	4.00	5	5.30	5	6.59	5	7.89
6	2.74	6	4.03	6	5.32	6	6.62	6	7.91
7	2.76	7	4.06	7	5.35	7	6.64	7	7.94
8	2.79	8	4.08	8	5.38	8	6.67	8	7.97
9	2.82	9	4.11	9	5.40	9	6.70	9	7.99
1.0110	2.84	1.0160	4.13	1.0210	5.43	1.0260	6.72	1.0310	8.02
1	2.87	1	4.16	1	5.45	1	6.75	1	8.04
2	2.89	2	4.19	2	5.48	2	6.77	2	8.07
3	2.92	3	4.21	3	5.51	3	6.80	3	8.09
4	2.94	4	4.24	4	5.53	4	6.82	4	8.12
5	2.97	5	4.26	5	5.56	5	6.85	5	8.14
6	3.00	6	4.29	6	5.58	6	6.88	6	8.17
7	3.02	7	4.31	7	5.61	7	6.90	7	8.20
8	3.05	8	4.34	8	5.64	8	6.93	8	8.22
9	3.07	9	4.37	9	5.66	9	6.95	9	8.25
1.0120	3.10	1.0170	4.39	1.0220	5.69	1.0270	6.98	1.0320	8.27
1	3.12	1	4.42	1	5.71	1	7.01	1	8.30
2	3.15	2	4.44	2	5.74	2	7.03	2	8.33
3	3.18	3	4.47	3	5.77	3	7.06	3	8.35
4	3.20	4	4.50	4	5.79	4	7.08	4	8.38
5	3.23	5	4.52	5	5.82	5	7.11	5	8.40
6	3.26	6	4.55	6	5.84	6	7.13	6	8.43
7	3.28	7	4.57	7	5.87	7	7.16	7	8.46
8	3.31	8	4.60	8	5.89	8	7.19	8	8.48
9	3.33	9	4.63	9	5.92	9	7.21	9	8.51
1.0130	3.36	1.0180	4.65	1.0230	5.94	1.0280	7.24	1.0330	8.53
1	3.38	1	4.68	1	5.97	1	7.26	1	8.56
2	3.41	2	4.70	2	6.00	2	7.29	2	8.59
3	3.43	3	4.73	3	6.02	3	7.32	3	8.61
4	3.46	4	4.75	4	6.05	4	7.34	4	8.64
5	3.49	5	4.78	5	6.07	5	7.37	5	8.66
6	3.51	6	4.81	6	6.10	6	7.39	6	8.69
7	3.54	7	4.83	7	6.12	7	7.42	7	8.72
8	3.56	8	4.86	8	6.15	8	7.45	8	8.74
9	3.59	9	4.88	9	6.18	9	7.47	9	8.77
1.0140	3.62	1.0190	4.91	1.0240	6.20	1.0290	7.50	1.0340	8.79
1	3.64	1	4.94	1	6.23	1	7.52	1	8.82
2	3.67	2	4.96	2	6.25	2	7.55	2	8.85
3	3.69	3	4.99	3	6.28	3	7.58	3	8.87
4	3.72	4	5.01	4	6.31	4	7.60	4	8.90
5	3.75	5	5.04	5	6.33	5	7.63	5	8.92
6	3.77	6	5.06	6	6.36	6	7.65	6	8.95
7	3.80	7	5.09	7	6.38	7	7.68	7	8.97
8	3.82	8	5.11	8	6.41	8	7.70	8	9.00
9	3.85	9	5.14	9	6.44	9	7.73	9	9.03

x	E	x	E	x	E	x	E	x	E
1.0350	9.05	1.0400	10.35	1.0450	11.65	1.0500	12.95	1.0550	14.25
1	9.08	1	10.37	1	11.68	1	12.97	1	14.28
2	9.10	2	10.40	2	11.70	2	13.00	2	14.30
3	9.13	3	10.43	3	11.73	3	13.03	3	14.33
4	9.16	4	10.45	4	11.75	4	13.05	4	14.35
5	9.18	5	10.48	5	11.78	5	13.08	5	14.38
6	9.21	6	10.51	6	11.81	6	13.10	6	14.41
7	9.23	7	10.53	7	11.83	7	13.13	7	14.43
8	9.26	8	10.56	8	11.86	8	13.16	8	14.46
9	9.29	9	10.58	9	11.88	9	13.18	9	14.48
1.0360	9.31	1.0410	10.61	1.0460	11.91	1.0510	13.21	1.0560	14.51
1	9.34	1	10.63	1	11.94	1	13.23	1	14.54
2	9.36	2	10.66	2	11.96	2	13.26	2	14.56
3	9.39	3	10.69	3	11.99	3	13.29	3	14.59
4	9.42	4	10.71	4	12.01	4	13.31	4	14.61
5	9.44	5	10.74	5	12.04	5	13.34	5	14.64
6	9.47	6	10.76	6	12.06	6	13.36	6	14.67
7	9.49	7	10.79	7	12.09	7	13.39	7	14.69
8	9.52	8	10.82	8	12.12	8	13.42	8	14.72
9	9.55	9	10.84	9	12.14	9	13.44	9	14.74
1.0370	9.57	1.0420	10.87	1.0470	12.17	1.0520	13.47	1.0570	14.77
1	9.60	1	10.90	1	12.19	1	13.49	1	14.80
2	9.62	2	10.92	2	12.22	2	13.52	2	14.82
3	9.65	3	10.95	3	12.25	3	13.55	3	14.85
4	9.68	4	10.97	4	12.27	4	13.57	4	14.87
5	9.70	5	11.00	5	12.30	5	13.60	5	14.90
6	9.73	6	11.03	6	12.32	6	13.62	6	14.93
7	9.75	7	11.05	7	12.35	7	13.65	7	14.95
8	9.78	8	11.08	8	12.38	8	13.68	8	14.98
9	9.80	9	11.10	9	12.40	9	13.70	9	15.00
1.0380	9.83	1.0430	11.13	1.0480	12.43	1.0530	13.73	1.0580	15.03
1	9.86	1	11.15	1	12.45	1	13.75	1	15.06
2	9.88	2	11.18	2	12.48	2	13.78	2	15.08
3	9.91	3	11.21	3	12.51	3	13.81	3	15.11
4	9.93	4	11.23	4	12.53	4	13.83	4	15.14
5	9.96	5	11.26	5	12.56	5	13.86	5	15.16
6	9.99	6	11.28	6	12.58	6	13.89	6	15.19
7	10.01	7	11.31	7	12.61	7	13.91	7	15.22
8	10.04	8	11.34	8	12.64	8	13.94	8	15.24
9	10.06	9	11.36	9	12.66	9	13.96	9	15.27
1.0390	10.09	1.0440	11.39	1.0490	12.69	1.0540	13.99	1.0590	15.29
1	10.11	1	11.42	1	12.71	1	14.01	1	15.32
2	10.14	2	11.44	2	12.74	2	14.04	2	15.35
3	10.17	3	11.47	3	12.77	3	14.07	3	15.37
4	10.19	4	11.49	4	12.79	4	14.09	4	15.40
5	10.22	5	11.52	5	12.82	5	14.12	5	15.42
6	10.25	6	11.55	6	12.84	6	14.14	6	15.45
7	10.27	7	11.57	7	12.87	7	14.17	7	15.48
8	10.30	8	11.60	8	12.90	8	14.20	8	15.50
9	10.32	9	11.62	9	12.92	9	14.22	9	15.53

x	E	x	E	x	E	x	E	x	E
1.0600	15.55	1.0650	16.86	1.0700	18.16	1.0750	19.47	1.0800	20.78
1	15.58	1	16.88	1	18.19	1	19.50	1	20.81
2	15.61	2	16.91	2	18.22	2	19.52	2	20.83
3	15.63	3	16.94	3	18.24	3	19.55	3	20.86
4	15.66	4	16.96	4	18.27	4	19.58	4	20.89
5	15.68	5	16.99	5	18.30	5	19.60	5	20.91
6	15.71	6	17.01	6	18.32	6	19.63	6	20.94
7	15.74	7	17.04	7	18.35	7	19.65	7	20.96
8	15.76	8	17.07	8	18.37	8	19.68	8	20.99
9	15.79	9	17.09	9	18.40	9	19.71	9	21.02
1.0610	15.81	1.0660	17.12	1.0710	18.43	1.0760	19.73	1.0810	21.04
1	15.84	1	17.14	1	18.45	1	19.76	1	21.07
2	15.87	2	17.17	2	18.48	2	19.79	2	21.10
3	15.89	3	17.20	3	18.50	3	19.81	3	21.12
4	15.92	4	17.22	4	18.53	4	19.84	4	21.15
5	15.94	5	17.25	5	18.56	5	19.86	5	21.17
6	15.97	6	17.27	6	18.58	6	19.89	6	21.20
7	16.00	7	17.30	7	18.61	7	19.92	7	21.23
8	16.02	8	17.33	8	18.63	8	19.94	8	21.25
9	16.05	9	17.35	9	18.66	9	19.97	9	21.28
1.0620	16.07	1.0670	17.38	1.0720	18.69	1.0770	20.00	1.0820	21.31
1	16.10	1	17.41	1	18.71	1	20.02	1	21.33
2	16.13	2	17.43	2	18.74	2	20.05	2	21.36
3	16.15	3	17.46	3	18.76	3	20.07	3	21.38
4	16.18	4	17.48	4	18.79	4	20.10	4	21.41
5	16.21	5	17.51	5	18.82	5	20.12	5	21.44
6	16.23	6	17.54	6	18.84	6	20.15	6	21.46
7	16.26	7	17.56	7	18.87	7	20.18	7	21.49
8	16.28	8	17.59	8	18.90	8	20.20	8	21.52
9	16.31	9	17.62	9	18.92	9	20.23	9	21.54
1.0630	16.33	1.0680	17.64	1.0730	18.95	1.0780	20.26	1.0830	21.57
1	16.36	1	17.67	1	18.97	1	20.28	1	21.59
2	16.39	2	17.69	2	19.00	2	20.31	2	21.62
3	16.41	3	17.72	3	19.03	3	20.34	3	21.65
4	16.44	4	17.75	4	19.05	4	20.36	4	21.67
5	16.47	5	17.77	5	19.08	5	20.39	5	21.70
6	16.49	6	17.80	6	19.10	6	20.41	6	21.73
7	16.52	7	17.83	7	19.13	7	20.44	7	21.75
8	16.54	8	17.85	8	19.16	8	20.47	8	21.78
9	16.57	9	17.88	9	19.18	9	20.49	9	21.80
1.0640	16.60	1.0690	17.90	1.0740	19.21	1.0790	20.52	1.0840	21.83
1	16.62	1	17.93	1	19.23	1	20.55	1	21.86
2	16.65	2	17.95	2	19.26	2	20.57	2	21.88
3	16.68	3	17.98	3	19.29	3	20.60	3	21.91
4	16.70	4	18.01	4	19.31	4	20.62	4	21.94
5	16.73	5	18.03	5	19.34	5	20.65	5	21.96
6	16.75	6	18.06	6	19.37	6	20.68	6	21.99
7	16.78	7	18.08	7	19.39	7	20.70	7	22.02
8	16.80	8	18.11	8	19.42	8	20.73	8	22.04
9	16.83	9	18.14	9	19.44	9	20.75	9	22.07

x	E	x	E	x	E	x	E	x	E
1.0850	22.09	1.0900	23.41	1.0950	24.72	1.1000	26.04	1.1050	27.35
1	22.12	1	23.43	1	24.75	1	26.06	1	27.38
2	22.15	2	23.46	2	24.78	2	26.09	2	27.41
3	22.17	3	23.49	3	24.80	3	26.12	3	27.43
4	22.20	4	23.51	4	24.83	4	26.14	4	27.46
5	22.22	5	23.54	5	24.85	5	26.17	5	27.49
6	22.25	6	23.57	6	24.88	6	26.20	6	27.51
7	22.28	7	23.59	7	24.91	7	26.22	7	27.54
8	22.30	8	23.62	8	24.93	8	26.25	8	27.57
9	22.33	9	23.65	9	24.96	9	26.27	9	27.59
1.0860	22.36	1.0910	23.67	1.0960	24.99	1.1010	26.30	1.1060	27.62
1	22.38	1	23.70	1	25.01	1	26.33	1	27.65
2	22.41	2	23.72	2	25.04	2	26.35	2	27.67
3	22.43	3	23.75	3	25.07	3	26.38	3	27.70
4	22.46	4	23.77	4	25.09	4	26.41	4	27.72
5	22.49	5	23.80	5	25.12	5	26.43	5	27.75
6	22.51	6	23.83	6	25.14	6	26.46	6	27.78
7	22.54	7	23.85	7	25.17	7	26.49	7	27.80
8	22.57	8	23.88	8	25.20	8	26.51	8	27.83
9	22.59	9	23.91	9	25.22	9	26.54	9	27.86
1.0870	22.62	1.0920	23.93	1.0970	25.25	1.1020	26.56	1.1070	27.88
1	22.65	1	23.96	1	25.28	1	26.59	1	27.91
2	22.67	2	23.99	2	25.30	2	26.62	2	27.93
3	22.70	3	24.01	3	25.33	3	26.64	3	27.96
4	22.72	4	24.04	4	25.36	4	26.67	4	27.99
5	22.75	5	24.07	5	25.38	5	26.70	5	28.01
6	22.78	6	24.09	6	25.41	6	26.72	6	28.04
7	22.80	7	24.12	7	25.43	7	26.75	7	28.07
8	22.83	8	24.14	8	25.46	8	26.78	8	28.09
9	22.86	9	24.17	9	25.49	9	26.80	9	28.12
1.0880	22.88	1.0930	24.20	1.0980	25.51	1.1030	26.83	1.1080	28.15
1	22.91	1	24.22	1	25.54	1	26.85	1	28.17
2	22.93	2	24.25	2	25.56	2	26.88	2	28.20
3	22.96	3	24.27	3	25.59	3	26.91	3	28.22
4	22.99	4	24.30	4	25.62	4	26.93	4	28.25
5	23.01	5	24.33	5	25.64	5	26.96	5	28.28
6	23.04	6	24.35	6	25.67	6	26.99	6	28.30
7	23.07	7	24.38	7	25.70	7	27.01	7	28.33
8	23.09	8	24.41	8	25.72	8	27.04	8	28.36
9	23.12	9	24.43	9	25.75	9	27.07	9	28.38
1.0890	23.14	1.0940	24.46	1.0990	25.78	1.1040	27.09	1.1090	28.41
1	23.17	1	24.49	1	25.80	1	27.12	1	28.43
2	23.20	2	24.51	2	25.83	2	27.15	2	28.46
3	23.22	3	24.54	3	25.85	3	27.17	3	28.49
4	23.25	4	24.57	4	25.88	4	27.20	4	28.51
5	23.28	5	24.59	5	25.91	5	27.22	5	28.54
6	23.30	6	24.62	6	25.93	6	27.25	6	28.57
7	23.33	7	24.64	7	25.96	7	27.27	7	28.59
8	23.35	8	24.67	8	25.99	8	27.30	8	28.62
9	23.38	9	24.70	9	26.01	9	27.33	9	28.65

x	E	x	E	x	E	x	E	x	E
1.1100	28.67	1.1110	28.94	1.1120	29.20	1.1130	29.47	1.1140	29.73
1	28.70	1	28.96	1	29.23	1	29.49	1	29.76
2	28.73	2	28.99	2	29.25	2	29.52	2	29.78
3	28.75	3	29.02	3	29.28	3	29.54	3	29.81
4	28.78	4	29.04	4	29.31	4	29.57	4	29.83
5	28.81	5	29.07	5	29.33	5	29.60	5	29.86
6	28.83	6	29.09	6	29.36	6	29.62	6	29.89
7	28.86	7	29.12	7	29.39	7	29.65	7	29.91
8	28.88	8	29.15	8	29.41	8	29.68	8	29.94
9	28.91	9	22.17	9	29.44	9	29.70	9	29.96
								1.1150	29.99

Tabelle XVI.

Extrakt-Tabelle nach W. Schulze (Ztschr. ges. Brauw. 1878, 19).
100 cem enthalten Gramm Extrakt.

	0	1	2	3	4	5	6	7	8	9
1.000	—	0.03	0.05	0.08	0.10	0.13	0.16	0.18	0.21	0.24
1.001	0.26	0.29	0.31	0.34	0.37	0.39	0.42	0.45	0.47	0.50
1.002	0.52	0.55	0.58	0.60	0.63	0.66	0.68	0.71	0.73	0.76
1.003	0.79	0.81	0.84	0.87	0.89	0.92	0.94	0.97	1.00	1.02
1.004	1.05	1.08	1.10	1.13	1.16	1.19	1.22	1.24	1.27	1.30
1.005	1.32	1.35	1.37	1.40	1.42	1.45	1.47	1.50	1.52	1.55
1.006	1.57	1.60	1.63	1.65	1.68	1.70	1.73	1.75	1.78	1.80
1.007	1.83	1.85	1.88	1.91	1.93	1.96	1.98	2.02	2.04	2.07
1.008	2.09	2.12	2.14	2.17	2.19	2.22	2.25	2.27	2.30	2.32
1.009	2.35	2.37	2.40	2.43	2.45	2.48	2.50	2.53	2.55	2.59
1.010	2.61	2.64	2.67	2.69	2.72	2.74	2.77	2.79	2.82	2.85
1.011	2.87	2.90	2.92	2.95	2.97	3.00	3.02	3.06	3.09	3.11
1.012	3.14	3.16	3.19	3.21	3.24	3.27	3.29	3.32	3.34	3.37
1.013	3.39	3.42	3.46	3.48	3.51	3.53	3.56	3.59	3.61	3.64
1.014	3.66	3.69	3.71	3.74	3.77	3.79	3.83	3.85	3.88	3.91
1.015	3.93	3.96	3.98	4.01	4.03	4.06	4.09	4.11	4.14	4.17
1.016	4.20	4.23	4.25	4.28	4.30	4.33	4.35	4.38	4.41	4.43
1.017	4.46	4.50	4.52	4.55	4.58	4.61	4.63	4.66	4.69	4.71
1.018	4.74	4.77	4.80	4.83	4.86	4.88	4.91	4.94	4.97	4.99
1.019	5.02	5.05	5.08	5.11	5.14	5.16	5.19	5.22	5.25	5.27
1.020	5.30	5.34	5.36	5.39	5.41	5.44	5.46	5.49	5.51	5.54
1.021	5.56	5.60	5.62	5.65	5.67	5.69	5.72	5.74	5.77	5.79
1.022	5.83	5.85	5.88	5.90	5.93	5.95	5.97	6.00	6.02	6.06
1.023	6.08	6.11	6.13	6.16	6.18	6.21	6.23	6.25	6.29	6.31
1.024	6.34	6.36	6.39	6.41	6.44	6.46	6.50	6.52	6.55	6.57
1.025	6.60	6.63	6.66	6.68	6.72	6.75	6.78	6.80	6.83	6.86
1.026	6.88	6.92	6.95	6.98	7.00	7.03	7.06	7.09	7.12	7.15
1.027	7.18	7.20	7.23	7.26	7.29	7.32	7.35	7.38	7.41	7.43

	0	1	2	3	4	5	6	7	8	9
1.028	7.46	7.48	7.51	7.54	7.56	7.58	7.60	7.63	7.65	7.68
1.029	7.70	7.73	7.75	7.77	7.79	7.82	7.85	7.87	7.89	7.92
1.030	7.94	7.96	7.98	8.01	8.04	8.06	8.08	8.10	8.13	8.15
1.031	8.18	8.20	8.23	8.25	8.27	8.29	8.33	8.35	8.37	8.39
1.032	8.42	8.44	8.46	8.49	8.52	8.54	8.56	8.59	8.61	8.65
1.033	8.68	8.71	8.73	8.76	8.79	8.82	8.85	8.88	8.90	8.93
1.034	8.96	9.00	9.02	9.05	9.08	9.10	9.14	9.17	9.19	9.22
1.035	9.25	9.28	9.31	9.34	9.37	9.39	9.42	9.46	9.48	9.51
1.036	9.54	9.57	9.60	9.63	9.65	9.68	9.70	9.72	9.76	9.78
1.037	9.80	9.83	9.85	9.88	9.91	9.93	9.95	9.98	10.00	10.03
1.038	10.06	10.08	10.10	10.13	10.16	10.19	10.21	10.23	10.26	10.29
1.039	10.31	10.34	10.36	10.38	10.41	10.44	10.46	10.49	10.51	10.53
1.040	10.57	10.59	10.61	10.64	10.66	10.69	10.72	10.74	10.77	10.79
1.041	10.83	10.85	10.88	10.90	10.93	10.96	10.99	11.01	11.04	11.06
1.042	11.10	11.12	11.15	11.17	11.21	11.23	11.26	11.28	11.31	11.35
1.043	11.37	11.40	11.42	11.46	11.48	11.51	11.53	11.56	11.59	11.62
1.044	11.64	11.67	11.70	11.73	11.75	11.78	11.80	11.84	11.86	11.89
1.045	11.91	11.95	11.97	12.00	12.02	12.05	12.08	12.10	12.13	12.15
1.046	12.19	12.21	12.24	12.26	12.30	12.32	12.34	12.37	12.39	12.43
1.047	12.45	12.48	12.50	12.54	12.56	12.58	12.61	12.64	12.67	12.69
1.048	12.72	12.74	12.78	12.80	12.82	12.85	12.88	12.91	12.93	12.96
1.049	12.99	13.02	13.04	13.06	13.10	13.12	13.15	13.17	13.21	13.23
1.050	13.26	13.28	13.31	13.34	13.36	13.39	13.42	13.45	13.47	13.50
1.051	13.53	13.56	13.58	13.60	13.64	13.66	13.69	13.71	13.75	13.77
1.052	13.80	13.82	13.85	13.88	13.90	13.94	13.96	13.99	14.01	14.05
1.053	14.07	14.09	14.12	14.15	14.18	14.20	14.23	14.26	14.29	14.31
1.054	14.34	14.37	14.40	14.42	14.46	14.48	14.51	14.53	14.57	14.59
1.055	14.62	14.64	14.68	14.70	14.73	14.76	14.79	14.81	14.84	14.87
1.056	14.90	14.92	14.96	14.98	15.01	15.03	15.07	15.09	15.12	15.15
1.057	15.18	15.20	15.23	15.27	15.29	15.32	15.36	15.38	15.41	15.43
1.058	15.47	15.50	15.52	15.56	15.59	15.61	15.65	15.68	15.70	15.74
1.059	15.77	15.79	15.82	15.85	15.88	15.91	15.94	15.97	15.99	16.02
1.060	16.05	16.07	16.09	16.12	16.15	16.17	16.20	16.22	16.24	16.27
1.061	16.30	16.32	16.34	16.38	16.40	16.42	16.44	16.48	16.50	16.52
1.062	16.55	16.57	16.60	16.62	16.64	16.66	16.70	16.73	16.75	16.77
1.063	16.80	16.83	16.85	16.87	16.90	16.93	16.95	16.98	17.00	17.03
1.064	17.06	17.08	17.10	17.12	17.16	17.18	17.20	17.23	17.26	17.28
1.065	17.31	17.33	17.36	17.39	17.42	17.44	17.48	17.50	17.53	17.56
1.066	17.59	17.61	17.63	17.67	17.69	17.73	17.75	17.78	17.80	17.84
1.067	17.86	17.88	17.92	17.94	17.98	18.00	18.03	18.07	18.09	18.11
1.068	18.15	18.17	18.19	18.23	18.25	18.28	18.31	18.34	18.36	18.40
1.069	18.42	18.44	18.48	18.50	18.53	18.56	18.59	18.61	18.65	18.67
1.070	18.70	18.73	18.75	18.77	18.81	18.83	18.85	18.88	18.91	18.93
1.071	18.96	18.98	19.01	19.04	19.06	19.08	19.12	19.14	19.16	19.19
1.072	19.22	19.24	19.27	19.29	19.32	19.35	19.37	19.39	19.43	19.45
1.073	19.47	19.50	19.53	19.55	19.58	19.60	19.64	19.66	19.68	19.71
1.074	19.74	19.76	19.79	19.81	19.84	19.87	19.89	19.91	19.94	19.96
1.075	19.98	20.02	20.04	20.07	20.09	20.11	20.14	20.16	20.18	20.21
1.076	20.24	20.26	20.29	20.31	20.33	20.36	20.38	20.40	20.43	20.46
1.077	20.48	20.51	20.53	20.55	20.58	20.60	20.63	20.66	20.68	20.71
1.078	20.73	20.75	20.78	20.80	20.82	20.85	20.88	20.90	20.93	20.95
1.079	20.98	21.00	21.03	21.06	21.08	21.11	21.14	21.16	21.20	21.22

Tabelle XVII.

Verdünnung von höherprozentigem Branntwein auf 24.7 Gewichtsprozent
(= 30 Volumprozent) mittels Wasser bei 15° C.

Zu 100 ccm Branntwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm	Zu 100 ccm Branntwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm	Zu 100 ccm Branntwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm	Zu 100 ccm Branntwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm
24.7	0.1	29.1	17.2	33.5	34.0	37.9	50.6
24.8	0.5	29.2	17.6	33.6	34.4	38.0	51.0
24.9	0.9	29.3	18.0	33.7	34.8	38.1	51.4
25.0	1.3	29.4	18.3	33.8	35.2	38.2	51.7
25.1	1.7	29.5	18.7	33.9	35.5	38.3	52.1
25.2	2.0	29.6	19.1	34.0	35.9	38.4	52.4
25.3	2.4	29.7	19.5	34.1	36.3	38.5	52.8
25.4	2.8	29.8	19.9	34.2	36.7	38.6	53.2
25.5	3.2	29.9	20.3	34.3	37.1	38.7	53.5
25.6	3.6	30.0	20.7	34.4	37.4	38.8	53.9
25.7	4.0	30.1	21.0	34.5	37.8	38.9	54.3
25.8	4.4	30.2	21.4	34.6	38.2	39.0	54.7
25.9	4.8	30.3	21.8	34.7	38.6	39.1	55.0
26.0	5.2	30.4	22.2	34.8	39.0	39.2	55.4
26.1	5.6	30.5	22.6	34.9	39.3	39.3	55.7
26.2	5.9	30.6	23.0	35.0	39.7	39.4	56.1
26.3	6.3	30.7	23.3	35.1	40.1	39.5	56.5
26.4	6.7	30.8	23.7	35.2	40.5	39.6	56.9
26.5	7.1	30.9	24.1	35.3	40.8	39.7	57.2
26.6	7.5	31.0	24.5	35.4	41.2	39.8	57.6
26.7	7.9	31.1	24.9	35.5	41.6	39.9	58.0
26.8	8.3	31.2	25.3	35.6	42.0	40.0	58.4
26.9	8.7	31.3	25.6	35.7	42.3	40.1	58.7
27.0	9.1	31.4	26.0	35.8	42.7	40.2	59.1
27.1	9.4	31.5	26.4	35.9	43.1	40.3	59.5
27.2	9.8	31.6	26.8	36.0	43.5	40.4	59.8
27.3	10.2	31.7	27.2	36.1	43.8	40.5	60.2
27.4	10.6	31.8	27.6	36.2	44.2	40.6	60.6
27.5	11.0	31.9	27.9	36.3	44.6	40.7	60.9
27.6	11.4	32.0	28.3	36.4	45.0	40.8	61.3
27.7	11.8	32.1	28.7	36.5	45.3	40.9	61.7
27.8	12.2	32.2	29.1	36.6	45.7	41.0	62.0
27.9	12.6	32.3	29.5	36.7	46.1	41.1	62.4
28.0	12.9	32.4	29.8	36.8	46.5	41.2	62.8
28.1	13.3	32.5	30.2	36.9	46.8	41.3	63.1
28.2	13.7	32.6	30.6	37.0	47.2	41.4	63.5
28.3	14.1	32.7	31.0	37.1	47.6	41.5	63.9
28.4	14.5	32.8	31.4	37.2	48.0	41.6	64.2
28.5	14.9	32.9	31.7	37.3	48.3	41.7	64.6
28.6	15.3	33.0	32.1	37.4	48.7	41.8	65.0
28.7	15.6	33.1	32.5	37.5	49.1	41.9	65.3
28.8	16.0	33.2	32.9	37.6	49.5	42.0	65.7
28.9	16.4	33.3	33.3	37.7	49.8	42.1	66.1
29.0	16.8	33.4	33.7	37.8	50.2	42.2	66.4

Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm	Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm	Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm	Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser ccm
42.3	66.8	47.2	84.4	52.1	101.6	57.0	118.3
42.4	67.1	47.3	84.8	52.2	101.9	57.1	118.6
42.5	67.5	47.4	85.1	52.3	102.3	57.2	118.9
42.6	67.9	47.5	85.5	52.4	102.6	57.3	119.3
42.7	68.2	47.6	85.8	52.5	102.9	57.4	119.6
42.8	68.6	47.7	86.2	52.6	103.3	57.5	119.9
42.9	69.0	47.8	86.5	52.7	103.6	57.6	120.3
43.0	69.3	47.9	86.9	52.8	104.0	57.7	120.6
43.1	69.7	48.0	87.2	52.9	104.3	57.8	120.9
43.2	70.0	48.1	87.6	53.0	104.7	57.9	121.3
43.3	70.4	48.2	87.9	53.1	105.0	58.0	121.6
43.4	70.8	48.3	88.3	53.2	105.3	58.1	122.0
43.5	71.1	48.4	88.7	53.3	105.7	58.2	122.6
43.6	71.5	48.5	89.0	53.4	106.0	58.3	122.3
43.7	71.9	48.6	89.4	53.5	106.4	58.4	123.0
43.8	72.3	48.7	89.7	53.6	106.7	58.5	123.6
43.9	72.6	48.8	90.1	53.7	107.1	58.6	123.3
44.0	72.9	48.9	90.4	53.8	107.4	58.7	124.0
44.1	73.3	49.0	90.8	53.9	107.7	58.8	124.3
44.2	73.7	49.1	91.1	54.0	108.1	58.9	124.6
44.3	74.0	49.2	91.5	54.1	108.4	59.0	124.9
44.4	74.4	49.3	91.8	54.2	108.8	59.1	125.3
44.5	74.7	49.4	92.2	54.3	109.1	59.2	125.6
44.6	75.1	49.5	92.5	54.4	109.5	59.3	125.9
44.7	75.5	49.6	92.9	54.5	109.8	59.4	126.3
44.8	75.8	49.7	93.2	54.6	110.1	59.5	126.6
44.9	76.2	49.8	93.6	54.7	110.5	59.6	126.9
45.0	76.5	49.9	93.9	54.8	110.8	59.7	127.3
45.1	76.9	50.0	94.3	54.9	111.2	59.8	127.6
45.2	77.3	50.1	94.6	55.0	111.5	59.9	127.9
45.3	77.6	50.2	95.0	55.1	111.8	60.0	128.3
45.4	78.0	50.3	95.3	55.2	112.2	60.1	128.6
45.5	78.3	50.4	95.7	55.3	112.5	60.2	128.9
45.6	78.7	50.5	96.0	55.4	112.9	60.3	129.2
45.7	79.1	50.6	96.4	55.5	113.2	60.4	129.6
45.8	79.4	50.7	96.7	55.6	113.5	60.5	129.9
45.9	79.8	50.8	97.1	55.7	113.9	60.6	130.2
46.0	80.1	50.9	97.4	55.8	114.2	60.7	130.6
46.1	80.5	51.0	97.8	55.9	114.6	60.8	130.9
46.2	80.8	51.1	98.1	56.0	114.9	60.9	131.2
46.3	81.2	51.2	98.5	56.1	115.2	61.0	131.5
46.4	81.6	51.3	98.8	56.2	115.6	61.1	131.9
46.5	81.9	51.4	99.1	56.3	115.9	61.2	132.2
46.6	82.3	51.5	99.5	56.4	116.2	61.3	132.5
46.7	82.6	51.6	99.8	56.5	116.6	61.4	132.9
46.8	83.0	51.7	100.2	56.6	116.9	61.5	133.2
46.9	83.3	51.8	100.5	56.7	117.3	61.6	133.5
47.0	83.7	51.9	100.9	56.8	117.6	61.7	133.8
47.1	84.1	52.0	101.2	56.9	117.9	61.8	134.2

Zu 100 cem Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser cem	Zu 100 cem Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser cem	Zu 100 cem Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser cem	Zu 100 cem Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser cem
61.9	134.5	66.8	150.2	71.7	165.5	76.6	180.3
62.0	134.8	66.9	150.6	71.8	165.8	76.7	180.6
62.1	135.2	67.0	150.9	71.9	166.1	76.8	180.9
62.2	135.5	67.1	151.2	72.0	166.4	76.9	181.2
62.3	135.8	67.2	151.5	72.1	166.7	77.0	181.5
62.4	136.1	67.3	151.8	72.2	167.0	77.1	181.8
62.5	136.5	67.4	152.1	72.3	167.4	77.2	182.1
62.6	136.8	67.5	152.5	72.4	167.7	77.3	182.4
62.7	137.1	67.6	152.8	72.5	168.0	77.4	182.6
62.8	137.4	67.7	153.1	72.6	168.3	77.5	182.9
62.9	137.8	67.8	153.4	72.7	168.6	77.6	183.2
63.0	138.1	67.9	153.7	72.8	168.9	77.7	183.5
63.1	138.4	68.0	154.0	72.9	169.2	77.8	183.8
63.2	138.7	68.1	154.4	73.0	169.5	77.9	184.1
63.3	139.0	68.2	154.7	73.1	169.8	78.0	184.4
63.4	139.4	68.3	155.0	73.2	170.1	78.1	184.7
63.5	139.7	68.4	155.3	73.3	170.4	78.2	185.0
63.6	140.0	68.5	155.6	73.4	170.7	78.3	185.3
63.7	140.3	68.6	155.9	73.5	171.0	78.4	185.6
63.8	140.7	68.7	156.2	73.6	171.3	78.5	185.9
63.9	141.0	68.8	156.5	73.7	171.6	78.6	186.2
64.0	141.3	68.9	156.9	73.8	171.9	78.7	186.5
64.1	141.6	69.0	157.2	73.9	172.2	78.8	186.7
64.2	142.0	69.1	157.5	74.0	172.5	78.9	187.0
64.3	142.3	69.2	157.8	74.1	172.8	79.0	187.3
64.4	142.6	69.3	158.1	74.2	173.1	79.1	187.6
64.5	142.9	69.4	158.4	74.3	173.4	79.2	187.9
64.6	143.2	69.5	158.7	74.4	173.7	79.3	188.2
64.7	143.6	69.6	159.0	74.5	174.0	79.4	188.5
64.8	143.9	69.7	159.3	74.6	174.3	79.5	188.8
64.9	144.2	69.8	159.7	74.7	174.6	79.6	189.1
65.0	144.5	69.9	160.0	74.8	174.9	79.7	189.4
65.1	144.8	70.0	160.3	74.9	175.2	79.8	189.6
65.2	145.2	70.1	160.6	75.0	175.5	79.9	189.9
65.3	145.5	70.2	160.9	75.1	175.8	80.0	190.2
65.4	145.8	70.3	161.2	75.2	176.1	80.1	190.5
65.5	146.1	70.4	161.5	75.3	176.4	80.2	190.8
65.6	146.4	70.5	161.8	75.4	176.7	80.3	191.1
65.7	146.8	70.6	162.1	75.5	177.0	80.4	191.4
65.8	147.1	70.7	162.4	75.6	177.3	80.5	191.7
65.9	147.4	70.8	162.8	75.7	177.6	80.6	192.0
66.0	147.7	70.9	163.1	75.8	177.9	80.7	192.2
66.1	148.0	71.0	163.4	75.9	178.2	80.8	192.5
66.2	148.3	71.1	163.7	76.0	178.5	80.9	192.8
66.3	148.7	71.2	164.0	76.1	178.8	81.0	193.1
66.4	149.0	71.3	164.3	76.2	179.1	81.1	193.4
66.5	149.3	71.4	164.6	76.3	179.4	81.2	193.7
66.6	149.6	71.5	164.9	76.4	179.7	81.3	194.0
66.7	149.9	71.6	165.2	76.5	180.0	81.4	194.3

Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser	Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser	Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser	Zu 100 ccm Brantwein von Gewichts- prozent	sind zu- zusetzen: Wasser
ccm	ccm	ccm	ccm	ccm	ccm	ccm	ccm
81.5	194.5	86.2	207.7	90.9	220.2	95.6	232.1
81.6	194.8	86.3	207.9	91.0	220.5	95.7	232.3
81.7	195.1	86.4	208.2	91.1	220.7	95.8	232.6
81.8	195.4	86.5	208.5	91.2	221.0	95.9	232.8
82.0	195.7	86.6	208.8	91.3	221.3	95.0	233.1
82.0	196.0	86.7	209.0	91.4	221.5	96.1	233.3
82.1	196.2	86.8	209.3	91.5	221.8	96.2	233.5
82.2	196.5	86.9	209.6	91.6	222.0	96.3	233.8
82.3	196.8	87.0	209.9	91.7	222.3	96.4	234.0
82.4	197.1	87.1	210.1	91.8	222.5	96.5	234.3
82.5	197.4	87.2	210.4	91.9	222.8	96.6	234.5
82.6	197.7	87.3	210.7	92.0	223.1	96.7	234.7
82.7	197.9	87.4	210.9	92.1	223.3	96.8	235.0
82.8	198.2	87.5	211.2	92.2	223.6	96.9	235.2
82.9	198.5	87.6	211.5	92.3	223.8	96.0	235.5
83.0	198.8	87.7	211.7	92.4	224.1	97.1	235.7
83.1	199.1	87.8	212.0	92.5	224.3	97.2	235.9
83.2	199.4	87.9	212.3	92.6	224.6	97.3	236.2
83.3	199.6	88.0	212.6	92.7	224.9	97.4	236.4
83.4	199.9	88.1	212.8	92.8	225.1	97.5	236.6
83.5	200.2	88.2	213.1	92.9	225.4	97.6	236.9
83.6	200.5	88.3	213.4	93.0	225.6	97.7	237.1
83.7	200.8	88.4	213.6	93.1	225.9	97.8	237.3
83.8	201.0	88.5	213.9	93.2	226.1	97.9	237.6
83.9	201.3	88.6	214.2	93.3	226.4	98.0	237.8
84.0	201.6	88.7	214.4	93.4	226.6	98.1	238.1
84.1	201.9	88.8	214.7	93.5	226.9	98.2	238.3
84.2	202.1	88.9	215.0	93.6	227.1	98.3	238.5
84.3	202.4	89.0	215.2	93.7	227.4	98.4	238.8
84.4	202.7	89.1	215.5	93.8	227.6	98.5	239.0
84.5	203.0	89.2	215.8	93.9	227.9	98.6	239.2
84.6	203.3	89.3	216.0	94.0	228.1	98.7	239.5
84.7	203.5	89.4	216.3	94.1	228.4	98.8	239.7
84.8	203.8	89.5	216.6	94.2	228.6	98.9	239.9
84.9	204.1	89.6	216.8	94.3	228.9	99.0	240.1
85.0	204.4	89.7	217.1	94.4	229.1	99.1	240.4
85.1	204.6	89.8	217.3	94.5	229.4	99.2	240.6
85.2	204.9	89.9	217.6	94.6	229.6	99.3	240.8
85.3	205.2	90.0	217.9	94.7	229.9	99.4	241.1
85.4	205.5	90.1	218.1	94.8	230.1	99.5	241.3
85.5	205.7	90.2	218.4	94.9	230.4	99.6	241.5
85.6	206.0	90.3	218.7	95.0	230.6	99.7	241.8
85.7	206.3	90.4	218.9	95.1	230.9	99.8	242.0
85.8	206.6	90.5	219.2	95.2	231.1	99.9	242.2
85.9	206.8	90.6	219.4	95.3	231.3	100.0	242.4
86.0	207.1	90.7	219.7	95.4	231.6		
86.1	207.4	90.8	220.0	95.5	231.9		

Tabelle XVIII.

Bereitung des Brantweins von 24.7 Gewichtsprozent (= 30 Volumproz.) aus niedrigerprozentigem mittels Zusatzes von absolutem Alkohol bei 15° C.

Zu 100 ccm Brantwein von Gewichts- prozent	sind hinzu- zusetzen: absoluter Alkohol ccm	Zu 100 ccm Brantwein von Gewichts- prozent	sind hinzu- zusetzen: absoluter Alkohol ccm	Zu 100 ccm Brantwein von Gewichts- prozent	sind hinzu- zusetzen: absoluter Alkohol ccm	Zu 100 ccm Brantwein von Gewichts- prozent	sind hinzu- zusetzen: absoluter Alkohol ccm
22.50	3.52	23.05	2.63	23.60	1.74	24.15	0.85
22.55	3.44	23.10	2.55	23.65	1.66	24.20	0.77
22.60	3.36	23.15	2.47	23.70	1.58	24.25	0.69
22.65	3.28	23.20	2.39	23.75	1.50	24.30	0.61
22.70	3.20	23.25	2.31	23.80	1.42	24.35	0.53
22.75	3.11	23.30	2.23	23.85	1.34	24.40	0.45
22.80	3.04	23.35	2.15	23.90	1.26	24.45	0.37
22.85	2.96	23.40	2.07	23.95	1.18	24.50	0.29
22.90	2.88	23.45	1.98	24.00	1.09	24.55	0.21
22.95	2.79	23.50	1.90	24.05	1.01	24.60	0.12
23.00	2.71	23.55	1.82	24.10	0.93	24.65	0.04

Tabelle XIX

zur Ermittlung des Fuselgehaltes.

(Nach den Beobachtungen im Kaiserlichen Gesundheitsamte.)

Steighöhe ccm	Vol.-Proz. Fuselöl	Steighöhe ccm	Vol.-Proz. Fuselöl	Steighöhe ccm	Vol.-Proz. Fuselöl	Steighöhe ccm	Vol.-Proz. Fuselöl
0.01	0.0066	0.18	0.1194	0.35	0.2321	0.52	0.3448
0.02	0.0133	0.19	0.1260	0.36	0.2387	0.53	0.3514
0.03	0.0199	0.20	0.1326	0.37	0.2454	0.54	0.3581
0.04	0.0265	0.21	0.1393	0.38	0.2520	0.55	0.3647
0.05	0.0332	0.22	0.1459	0.39	0.2586	0.56	0.3713
0.06	0.0398	0.23	0.1525	0.40	0.2652	0.57	0.3780
0.07	0.0464	0.24	0.1591	0.41	0.2719	0.58	0.3846
0.08	0.0531	0.25	0.1658	0.42	0.2785	0.59	0.3912
0.09	0.0597	0.26	0.1724	0.43	0.2851	0.60	0.3979
0.10	0.0663	0.27	0.1790	0.44	0.2918	0.61	0.4045
0.11	0.0729	0.28	0.1857	0.45	0.2984	0.62	0.4111
0.12	0.0796	0.29	0.1923	0.46	0.3050	0.63	0.4168
0.13	0.0862	0.30	0.1989	0.47	0.3117	0.64	0.4244
0.14	0.0928	0.31	0.2055	0.48	0.3183	0.65	0.4310
0.15	0.0995	0.32	0.2122	0.49	0.3249	0.66	0.4377
0.16	0.1061	0.33	0.2188	0.50	0.3316		
0.17	0.1127	0.34	0.2255	0.51	0.3382		

Tabelle XX.
 Atomgewichte (1907).
 (Bezogen auf 0 = 16.)

Aluminium	27.1	Molybdän	96.0
Antimon	120.2	Natrium	23.05
Arsen	75.0	Nickel	58.7
Baryum	137.4	Palladium	106.5
Blei	206.9	Phosphor	31.0
Bor	11.0	Platin	194.8
Brom	79.96	Quecksilber	200.0
Cadmium	112.4	Sauerstoff	16.0
Calcium	40.1	Schwefel	32.06
Chlor	35.45	Selen	79.2
Chrom	52.1	Silber	107.93
Eisen	55.9	Silicium	28.4
Fluor	19.0	Stickstoff	14.01
Gold	197.2	Strontium	87.6
Jod	126.97	Tellur	127.6
Kalium	39.15	Uran	238.5
Kobalt	59.0	Vanadin	51.2
Kohlenstoff	12.0	Wasserstoff	1.008
Kupfer	63.6	Wismut	208.0
Lithium	7.03	Wolfram	184
Magnesium	24.36	Zink	65.4
Mangan	55.0	Zinn	119.0