

REFRACTOMETER CONVERSION TABLE

REFRACTOMETER READING (DEGREE BRIX):
 DEGREES PLATO (CORRECTED FOR MALTOSE):
 CORRECTED SPECIFIC GRAVITY AT 20 DEGREES C. :

BRIX
 PLATO
 SG

BRIX	PLATO	SG	BRIX	PLATO	SG	BRIX	PLATO	SG	BRIX	PLATO	SG
0	0	1.00000	5.1	5.3	1.02087	10.2	10.6	1.04252	15.3	15.9	1.06500
0.1	0.1	1.00039	5.2	5.4	1.02127	10.3	10.7	1.04294	15.4	16.0	1.06543
0.2	0.2	1.00077	5.3	5.5	1.02167	10.4	10.8	1.04336	15.5	16.1	1.06587
0.3	0.3	1.00116	5.4	5.6	1.02208	10.5	10.9	1.04377	15.6	16.2	1.06630
0.4	0.4	1.00155	5.5	5.7	1.02248	10.6	11.0	1.04419	15.7	16.3	1.06673
0.5	0.5	1.00194	5.6	5.8	1.02288	10.7	11.1	1.04461	15.8	16.4	1.06716
0.6	0.6	1.00232	5.7	5.9	1.02328	10.8	11.2	1.04503	15.9	16.5	1.06760
0.7	0.7	1.00271	5.8	6.0	1.02369	10.9	11.3	1.04544	16.0	16.6	1.06803
0.8	0.8	1.00310	5.9	6.1	1.02409	11.0	11.4	1.04586	16.1	16.7	1.06847
0.9	0.9	1.00349	6.0	6.2	1.02449	11.1	11.5	1.04628	16.2	16.8	1.06890
1.0	1.0	1.00388	6.1	6.3	1.02490	11.2	11.6	1.04670	16.3	17.0	1.06977
1.1	1.1	1.00427	6.2	6.4	1.02530	11.3	11.8	1.04754	16.4	17.1	1.07021
1.2	1.2	1.00466	6.3	6.6	1.02611	11.4	11.9	1.04796	16.5	17.2	1.07064
1.3	1.4	1.00544	6.4	6.7	1.02651	11.5	12.0	1.04838	16.6	17.3	1.07108
1.4	1.5	1.00583	6.5	6.8	1.02692	11.6	12.1	1.04880	16.7	17.4	1.07152
1.5	1.6	1.00622	6.6	6.9	1.02732	11.7	12.2	1.04922	16.8	17.5	1.07195
1.6	1.7	1.00661	6.7	7.0	1.02773	11.8	12.3	1.04964	16.9	17.6	1.07239
1.7	1.8	1.00700	6.8	7.1	1.02813	11.9	12.4	1.05006	17.0	17.7	1.07283
1.8	1.9	1.00740	6.9	7.2	1.02854	12.0	12.5	1.05048	17.1	17.8	1.07327
1.9	2.0	1.00779	7.0	7.3	1.02895	12.1	12.6	1.05091	17.2	17.9	1.07371
2.0	2.1	1.00818	7.1	7.4	1.02935	12.2	12.7	1.05133	17.3	18.0	1.07414
2.1	2.2	1.00857	7.2	7.5	1.02976	12.3	12.8	1.05175	17.4	18.1	1.07458
2.2	2.3	1.00896	7.3	7.6	1.03017	12.4	12.9	1.05217	17.5	18.2	1.07502
2.3	2.4	1.00936	7.4	7.7	1.03058	12.5	13.0	1.05260	17.6	18.3	1.07546
2.4	2.5	1.00975	7.5	7.8	1.03098	12.6	13.1	1.05302	17.7	18.4	1.07590
2.5	2.6	1.01014	7.6	7.9	1.03139	12.7	13.2	1.05344	17.8	18.5	1.07634
2.6	2.7	1.01054	7.7	8.0	1.03180	12.8	13.3	1.05387	17.9	18.6	1.07678
2.7	2.8	1.01093	7.8	8.1	1.03221	12.9	13.4	1.05429	18.0	18.7	1.07722
2.8	2.9	1.01133	7.9	8.2	1.03262	13.0	13.5	1.05472	18.1	18.8	1.07767
2.9	3.0	1.01172	8.0	8.3	1.03303	13.1	13.6	1.05514	18.2	18.9	1.07811
3.0	3.1	1.01212	8.1	8.4	1.03344	13.2	13.7	1.05557	18.3	19.0	1.07855
3.1	3.2	1.01251	8.2	8.5	1.03385	13.3	13.8	1.05599	18.4	19.1	1.07899
3.2	3.3	1.01291	8.3	8.6	1.03426	13.4	13.9	1.05642	18.5	19.2	1.07943
3.3	3.4	1.01330	8.4	8.7	1.03467	13.5	14.0	1.05684	18.6	19.3	1.07988
3.4	3.5	1.01370	8.5	8.8	1.03508	13.6	14.1	1.05727	18.7	19.4	1.08032
3.5	3.6	1.01409	8.6	8.9	1.03549	13.7	14.2	1.05770	18.8	19.6	1.08121
3.6	3.7	1.01449	8.7	9.0	1.03590	13.8	14.4	1.05855	18.9	19.7	1.08165
3.7	3.8	1.01489	8.8	9.2	1.03673	13.9	14.5	1.05898	19.0	19.8	1.08209
3.8	4.0	1.01568	8.9	9.3	1.03714	14.0	14.6	1.05941	19.1	19.9	1.08254
3.9	4.1	1.01608	9.0	9.4	1.03755	14.1	14.7	1.05984	19.2	20.0	1.08298
4.0	4.2	1.01648	9.1	9.5	1.03796	14.2	14.8	1.06026	19.3	20.1	1.08343
4.1	4.3	1.01687	9.2	9.6	1.03838	14.3	14.9	1.06069	19.4	20.2	1.08388
4.2	4.4	1.01727	9.3	9.7	1.03879	14.4	15.0	1.06112	19.5	20.3	1.08432
4.3	4.5	1.01767	9.4	9.8	1.03920	14.5	15.1	1.06155	19.6	20.4	1.08477
4.4	4.6	1.01807	9.5	9.9	1.03962	14.6	15.2	1.06198	19.7	20.5	1.08521
4.5	4.7	1.01847	9.6	10.0	1.04003	14.7	15.3	1.06241	19.8	20.6	1.08566
4.6	4.8	1.01887	9.7	10.1	1.04045	14.8	15.4	1.06284	19.9	20.7	1.08611
4.7	4.9	1.01927	9.8	10.2	1.04086	14.9	15.5	1.06327	20.0	20.8	1.08656
4.8	5.0	1.01967	9.9	10.3	1.04128	15.0	15.6	1.06370	20.1	20.9	1.08700
4.9	5.1	1.02007	10.0	10.4	1.04169	15.1	15.7	1.06414	20.2	21.0	1.08745
5.0	5.2	1.02047	10.1	10.5	1.04211	15.2	15.8	1.06457	20.3	21.1	1.08790

Brix x 1.04 = Plato (reference Geeks Only - Zymurgy Jan/Feb 2001)

(Plato/[258.6-(Plato/258.2)*227.1])+1 = SG (reference: BYO Mr. Wizard)

Table compiled by Mike Schwartz

BRIX	PLATO	SG	BRIX	PLATO	SG	BRIX	PLATO	SG
20.4	21.2	1.08835	26.3	27.4	1.11684	32.2	33.5	1.14620
20.5	21.3	1.08880	26.4	27.5	1.11731	32.3	33.6	1.14669
20.6	21.4	1.08925	26.5	27.6	1.11779	32.4	33.7	1.14719
20.7	21.5	1.08970	26.6	27.7	1.11826	32.5	33.8	1.14768
20.8	21.6	1.09015	26.7	27.8	1.11873	32.6	33.9	1.14818
20.9	21.7	1.09060	26.8	27.9	1.11920	32.7	34.0	1.14867
21.0	21.8	1.09105	26.9	28.0	1.11967	32.8	34.1	1.14916
21.1	21.9	1.09150	27.0	28.1	1.12014	32.9	34.2	1.14966
21.2	22.0	1.09195	27.1	28.2	1.12062	33.0	34.3	1.15015
21.3	22.2	1.09286	27.2	28.3	1.12109	33.1	34.4	1.15065
21.4	22.3	1.09331	27.3	28.4	1.12156	33.2	34.5	1.15115
21.5	22.4	1.09376	27.4	28.5	1.12204	33.3	34.6	1.15164
21.6	22.5	1.09422	27.5	28.6	1.12251	33.4	34.7	1.15214
21.7	22.6	1.09467	27.6	28.7	1.12299	33.5	34.8	1.15264
21.8	22.7	1.09512	27.7	28.8	1.12346	33.6	34.9	1.15313
21.9	22.8	1.09558	27.8	28.9	1.12394	33.7	35.0	1.15363
22.0	22.9	1.09603	27.9	29.0	1.12441	33.8	35.2	1.15463
22.1	23.0	1.09649	28.0	29.1	1.12489	33.9	35.3	1.15513
22.2	23.1	1.09694	28.1	29.2	1.12537	34.0	35.4	1.15563
22.3	23.2	1.09740	28.2	29.3	1.12584	34.1	35.5	1.15613
22.4	23.3	1.09786	28.3	29.4	1.12632	34.2	35.6	1.15663
22.5	23.4	1.09831	28.4	29.5	1.12680	34.3	35.7	1.15713
22.6	23.5	1.09877	28.5	29.6	1.12728	34.4	35.8	1.15763
22.7	23.6	1.09923	28.6	29.7	1.12775	34.5	35.9	1.15813
22.8	23.7	1.09968	28.7	29.8	1.12823	34.6	36.0	1.15863
22.9	23.8	1.10014	28.8	30.0	1.12919	34.7	36.1	1.15914
23.0	23.9	1.10060	28.9	30.1	1.12967	34.8	36.2	1.15964
23.1	24.0	1.10106	29.0	30.2	1.13015	34.9	36.3	1.16014
23.2	24.1	1.10152	29.1	30.3	1.13063	35.0	36.4	1.16065
23.3	24.2	1.10197	29.2	30.4	1.13111			
23.4	24.3	1.10243	29.3	30.5	1.13159			
23.5	24.4	1.10289	29.4	30.6	1.13208			
23.6	24.5	1.10335	29.5	30.7	1.13256			
23.7	24.6	1.10381	29.6	30.8	1.13304			
23.8	24.8	1.10474	29.7	30.9	1.13352			
23.9	24.9	1.10520	29.8	31.0	1.13401			
24.0	25.0	1.10566	29.9	31.1	1.13449			
24.1	25.1	1.10612	30.0	31.2	1.13497			
24.2	25.2	1.10658	30.1	31.3	1.13546			
24.3	25.3	1.10705	30.2	31.4	1.13594			
24.4	25.4	1.10751	30.3	31.5	1.13643			
24.5	25.5	1.10797	30.4	31.6	1.13691			
24.6	25.6	1.10844	30.5	31.7	1.13740			
24.7	25.7	1.10890	30.6	31.8	1.13788			
24.8	25.8	1.10936	30.7	31.9	1.13837			
24.9	25.9	1.10983	30.8	32.0	1.13886			
25.0	26.0	1.11029	30.9	32.1	1.13934			
25.1	26.1	1.11076	31.0	32.2	1.13983			
25.2	26.2	1.11123	31.1	32.3	1.14032			
25.3	26.3	1.11169	31.2	32.4	1.14081			
25.4	26.4	1.11216	31.3	32.6	1.14178			
25.5	26.5	1.11263	31.4	32.7	1.14227			
25.6	26.6	1.11309	31.5	32.8	1.14276			
25.7	26.7	1.11356	31.6	32.9	1.14325			
25.8	26.8	1.11403	31.7	33.0	1.14374			
25.9	26.9	1.11450	31.8	33.1	1.14423			
26.0	27.0	1.11497	31.9	33.2	1.14473			
26.1	27.1	1.11543	32.0	33.3	1.14522			
26.2	27.2	1.11590	32.1	33.4	1.14571			

Table compiled by Mike Schwartz