

Casein and Whey Peptones

Product Name	Total Nitrogen (%)	Amino Nitrogen (%)	AN/TN	Total Carbohydrate (mg/g)	Ash (%)	Loss on Drying (%)	NaCl (%)	pH (1% Solution)	Calcium (µg/g)	Iron (µg/g)	Magnesium (µg/g)	Potassium (µg/g)	Sodium (µg/g)	Chloride (%)	Sulfate (%)	Phosphate (%)	Alanine (% Free)	Alanine (% Total)	Arginine (% Free)	Arginine (% Total)	Asparagine (% Free)	Aspartic Acid (% Free)
Acidicase™ Peptone, BBL™	8.5	6.2	0.73	0.29	36.8	5.3	32.3	6.8	229	4.9	36	383	140900	16.99	0.25	1.42	1.6	2.1	1.3	1.9	0.0	3.4
Biosate™ Peptone, BBL	13.4	6.0	0.45	32.98	7.7	6.6	0.3	7.1	258	56.2	398	21320	17100	0.07	0.43	3.19	2.4	4.2	2.1	2.9	0.9	0.9
Casamino Acids, Bacto™	10.8	9.4	0.87	0.00	18.3	4.8	12.1	6.4	59	1.3	143	4098	88090	6.74	0.55	2.56	3.0	3.0	2.4	2.5	0.0	0.7
Casamino Acids, Technical, Bacto	8.3	5.9	0.71	0.15	36.0	1.2	30.1	6.9	110	6.2	48	1361	145667	18.25	0.26	1.53	2.1	4.4	1.1	1.7	0.0	3.1
Casein Digest, Difco	13.2	7.0	0.53	1.44	10.0	5.0	0.0	3.7	163	2.8	49	1091	23923	0.26	0.10	0.57	1.6	2.7	2.9	5.1	1.6	1.1
Casitone, Bacto	13.5	5.0	0.37	3.54	6.4	2.0	0.0	7.0	111	23.5	213	3480	34090	0.10	0.40	2.48	0.9	3.4	2.6	2.8	0.5	0.2
TC Lactalbumin Hydrolysate, Bacto	13.0	6.3	0.48	21.01	7.2	4.6	0.3	7.0	1620	50.3	340	17200	14800	0.80	1.20	4.10	2.3	4.7	2.2	2.5	0.9	0.9
Trypticase™ Peptone, BBL	14.2	5.2	0.37	3.99	5.7	4.0	0.1	7.2	295	33.5	110	588	26600	0.09	0.18	2.54	0.9	5.7	2.3	4.8	0.5	0.2
Tryptone, Bacto	13.3	5.3	0.40	4.30	6.6	2.3	0.0	7.3	256	23.0	195	3257	33910	0.06	0.33	2.58	1.0	3.2	2.2	5.0	0.6	0.4
Tryptone, BiTek™	13.1	5.6	0.43	8.42	5.8	5.0	0.0	7.1	387	7.3	100	620	26970	0.35	0.22	2.25	0.6	5.0	3.8	2.6	0.5	0.1

LEGEND

- * = Partially destroyed during hydrolysis
- 0.0 = Below limit of detection
- = Free Amino Acids
- = Total Amino Acids

For analytical methods, see Methods of Detection

Typical Analyses Table

Aspartic Acid (% Total)	Cystine (% Free)	Glutamic Acid (% Free)	Glutamic Acid (% Total)	Glutamine (% Free)	Glycine (% Free)	Glycine (% Total)	Histidine (% Free)	Histidine (% Total)	Isoleucine (% Free)	Isoleucine (% Total)	Leucine (% Free)	Leucine (% Total)	Lysine (% Free)	Lysine (% Total)	Methionine (% Free)	Methionine (% Total) *	Phenylalanine (% Free)	Phenylalanine (% Total)	Proline (% Free)	Proline (% Total)	Serine (% Free)	Serine (% Total)*	Threonine (% Free)	Threonine (% Total)	Tryptophan (% Free)	Tyrosine (% Free)	Tyrosine (% Total)	Valine (% Free)	Valine (% Total)
3.9	0.8	8.3	11.6	0.0	0.8	1.0	0.8	1.6	1.6	4.0	3.9	6.3	4.4	4.6	0.9	1.4	2.5	3.5	3.3	5.3	2.1	2.5	0.9	1.4	0.0	1.0	1.4	1.8	4.4
5.9	0.3	3.5	16.1	0.3	0.6	2.2	0.6	2.0	1.6	5.8	4.7	7.7	3.5	5.9	1.0	1.9	2.9	5.5	0.5	6.2	1.0	2.2	0.8	1.9	0.7	0.5	1.4	1.9	6.1
2.4	0.1	15.1	15.9	0.0	1.4	1.4	0.2	0.8	3.1	4.0	4.6	5.0	2.1	5.2	1.4	1.4	3.4	3.6	7.5	8.0	0.4	2.1	0.5	1.5	0.0	0.4	0.4	4.7	5.6
3.4	0.4	5.1	8.4	0.0	0.8	1.1	0.5	1.1	1.2	2.7	2.7	4.6	4.0	4.6	0.9	1.2	1.4	1.9	2.9	5.7	2.1	1.6	0.9	0.5	0.0	1.5	1.6	1.6	3.4
6.0	2.4	3.6	16.8	0.1	0.5	1.7	1.3	2.2	2.5	3.9	6.8	7.8	5.4	6.7	2.3	2.7	3.5	4.0	1.1	7.4	1.7	4.2	2.0	2.2	7.2	3.4	3.6	3.1	5.5
5.5	0.0	0.9	16.0	0.0	0.2	1.7	0.4	1.9	1.1	5.9	4.7	7.9	4.5	5.9	1.1	2.2	2.7	5.5	0.3	7.1	0.8	2.1	0.5	1.9	0.8	0.5	1.6	1.3	6.3
6.5	0.2	6.6	8.7	0.3	1.3	2.7	0.5	1.1	2.1	3.6	3.5	4.9	2.5	8.4	1.6	2.5	0.8	2.3	0.5	1.1	1.5	4.2	1.3	1.4	0.6	0.8	0.9	2.4	3.7
7.7	0.3	1.1	13.2	0.1	0.1	6.3	0.5	4.8	1.1	8.3	5.3	10.4	3.3	10.6	1.1	2.5	2.7	7.1	0.2	10.9	0.4	2.5	0.6	2.4	0.8	0.4	1.6	1.5	9.1
5.2	0.3	1.4	15.1	0.1	0.2	1.7	0.5	1.9	1.3	5.5	4.8	7.5	5.5	6.2	1.0	2.1	3.0	5.2	0.2	6.6	0.7	2.2	0.7	1.8	0.8	0.5	1.3	1.7	5.9
3.9	0.4	0.7	9.8	0.1	0.1	1.4	0.6	1.6	1.1	3.8	4.2	6.0	5.4	5.9	0.7	1.4	2.8	3.4	0.1	7.3	0.7	0.3	0.7	0.8	0.8	0.4	1.2	1.5	4.6