

Animal-Free Peptones and Yeast Extracts

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)
Malt Extract, Bacto™	0.3	0.3	0.97	1037.4	0.3	3.1	0.2	5.2	111	5.8	130	603	713	0.07	0.07	0.08	0.1	0.1	0.0	0.1	0.0	0.0
Phytone™ Peptone, BBL™	9.0	2.4	0.27	392.9	12.4	1.5	4.0	7.1	1001	89.8	2435	31547	34037	0.76	0.67	0.64	0.3	2.6	0.6	2.1	0.1	0.3
Select Phytone UF, Difco™	9.4	2.6	0.28	394.2	12.5	4.9	4.0	7.0	900	59.5	1700	21200	36100	0.76	0.58	0.71	0.3	3.1	0.8	2.4	0.2	0.2
Select Soytone, Difco™	9.2	3.7	0.40	336.2	10.7	3.5	0.0	7.0	250	61.0	1749	29787	31087	0.07	2.65	1.03	0.5	3.6	0.4	2.1	0.4	0.2
Soytone, Bacto	9.4	3.1	0.33	292.5	12.0	4.6	0.2	7.2	550	68.2	1610	22200	34040	0.17	2.33	0.82	0.4	2.5	2.1	2.8	0.3	0.2
TC Yeastolate, Bacto	10.7	6.0	0.56	143.0	11.7	2.2	0.6	7.0	228	73.7	250	50850	8190	0.30	0.49	2.63	4.6	4.6	1.7	2.4	1.2	1.8
TC Yeastolate UF, Difco	10.6	6.5	0.61	124.2	13.3	2.1	1.0	7.0	247	52.5	267	60940	3716	0.52	0.89	2.46	5.5	5.7	1.9	3.2	1.3	2.1
Yeast Extract, Bacto	10.9	6.0	0.55	163.3	11.2	3.1	0.1	6.7	130	55.3	750	31950	4900	0.38	0.09	3.27	4.4	5.6	1.4	2.6	1.0	1.6
Yeast Extract, BBL	11.4	6.9	0.60	67.6	13.1	1.0	0.2	7.0	230	62.1	799	58013	1003	0.07	0.65	3.73	5.7	6.2	2.0	3.0	1.0	2.2
Yeast Extract, Technical, Bacto	11.1	6.0	0.54	132.1	10.0	5.0	0.0	6.9	320	32.3	400	51030	760	0.12	0.55	1.10	3.3	3.6	2.5	3.4	1.4	1.5
Yeast Extract, UF, Difco	10.7	6.0	0.56	108.2	18.2	0.7	0.0	7.0	191	57.9	558	59240	1244	0.13	1.02	2.70	4.8	5.4	1.5	2.6	1.2	1.7

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)
0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3.9	0.4	0.3	5.9	0.0	0.2	1.5	0.3	0.8	0.2	1.3	0.8	2.3	1.2	2.4	0.2	0.2	0.2	0.2	0.1	1.8	0.2	0.5	0.1	0.5	0.0	0.2	0.8	0.1	1.5
4.7	0.5	0.4	6.5	0.0	0.2	1.8	0.1	0.9	0.2	1.6	0.9	2.7	1.5	2.8	0.2	0.3	0.3	1.6	0.1	1.9	0.3	0.6	0.1	0.6	0.1	0.3	1.0	0.1	1.7
6.2	0.5	0.7	6.9	0.2	0.1	2.2	0.5	1.3	0.9	2.6	2.2	3.9	2.6	3.4	0.4	1.0	1.3	2.4	0.2	2.6	0.3	1.2	0.5	1.0	0.1	0.9	2.0	1.0	2.8
5.5	0.4	0.4	8.9	0.1	0.2	2.1	0.2	1.1	0.6	2.8	1.7	4.3	1.9	2.9	0.3	0.5	1.2	3.1	0.2	2.0	0.3	1.4	0.2	1.1	0.2	1.3	1.3	0.4	2.7
4.8	0.2	6.6	8.7	0.3	1.3	2.7	0.5	1.1	2.1	3.6	3.5	4.9	2.3	4.2	0.8	0.8	2.3	3.3	0.9	1.8	1.5	1.4	1.3	1.4	0.6	0.8	0.9	2.4	3.7
6.4	0.2	7.3	11.0	0.2	1.5	3.0	0.6	1.5	2.1	3.2	3.0	4.0	2.5	5.1	0.8	0.9	2.2	2.9	1.1	2.0	1.9	2.1	1.5	1.7	0.9	0.1	0.9	2.7	4.0
5.3	0.2	6.6	9.4	0.2	1.0	3.0	0.4	1.3	1.8	3.0	3.0	4.1	1.9	4.6	0.6	0.8	2.0	2.6	0.8	2.0	1.3	1.6	1.1	1.6	0.5	0.8	1.2	2.2	3.5
5.9	0.2	7.3	11.0	0.1	1.6	3.3	0.3	1.4	2.5	4.7	4.0	6.2	2.7	4.9	0.9	1.1	2.7	4.4	1.3	2.3	1.3	1.9	1.7	1.8	0.7	0.9	1.2	3.0	4.8
4.8	0.9	5.7	8.5	0.6	1.1	2.2	0.6	1.0	1.9	2.3	3.5	3.7	2.0	3.8	1.1	1.0	2.1	2.2	0.8	1.7	1.9	2.3	1.0	1.8	2.2	0.8	1.0	2.5	3.0
5.4	0.2	6.8	10.0	0.3	1.3	2.9	0.6	1.2	1.8	3.8	2.8	4.7	2.2	4.6	0.7	0.8	2.1	3.6	0.9	1.9	1.6	1.7	1.3	1.6	0.5	0.5	0.8	2.4	4.1