

## Abbott Nutrition - Pediatric Nutritional Products Essential Amino Acid Profiles



The majority of values were calculated based on typical amino acid profiles of individual ingredients, except for the values that are highlighted which have been tested. The ultimate decision to use a nutritional product should be based on the clinical judgement of the health care professional.

PRODUCT				Histidine		Isoleucine		Leucine		Lysine		Methionine		Phenylalanine		Threonine		Tryptophan		Valine	
List #	Format	PRODUCT NAME	Availability	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>
				<b>PRETERM INFANT</b>																	
63010A14	5-mL packets	SIMILAC® HUMAN MILK FORTIFIER, EXTENSIVELY HYDROLYZED PROTEIN CONCENTRATED LIQUID	Concentrated liquid	2.700	0.270	5.800	0.580	–	0.700	8.700	0.870	2.800	0.280	4.700	0.470	4.600	0.460	–	0.090	7.200	0.720
54598934	0.9-g packets	SIMILAC® HUMAN MILK FORTIFIER	Powder	1.148	–	1.173	–	2.198	–	3.264	–	0.477	–	0.663	–	1.351	–	0.442	–	1.380	–
66357871	59-mL plastic bottle	SIMILAC® HUMAN MILK FORTIFIER SPECIAL CARE® 30	Ready to mix	–	0.169	–	0.329	–	0.259	–	0.079	–	0.130	–	0.264	–	0.115	–	0.188	–	0.047
62317X31	59-mL plastic bottle	LIQUIPROTEIN™	Ready to mix	–	0.464	–	0.950	–	1.580	–	1.420	–	0.456	–	0.782	–	0.795	–	0.177	–	1.220
66354871	59-mL plastic bottle	SIMILAC® SPECIAL CARE® 20	Ready to use	–	0.045	–	0.117	–	0.219	–	0.177	–	0.056	–	0.083	–	0.125	–	0.035	–	0.124
66355871	59-mL plastic bottle	SIMILAC® SPECIAL CARE® 24	Ready to use	–	0.053	–	0.138	–	0.259	–	0.208	–	0.066	–	0.098	–	0.150	–	0.084	–	0.146
66356871	59-mL plastic bottle	SIMILAC® SPECIAL CARE® 24 HIGH PROTEIN	Ready to use	–	0.060	–	0.155	–	0.288	–	0.230	–	0.073	–	0.111	–	0.166	–	0.045	–	0.164
57430718	363-g container	SIMILAC® NEOSURE®	Powder	0.260	0.038	0.72	0.104	1.28	0.186	1.02	0.147	0.32	0.047	0.57	0.083	0.700	0.102	0.210	0.031	0.73	0.106
66356871	59-mL plastic bottle	SIMILAC® NEOSURE®	Ready to use	–	0.050	–	0.133	–	0.222	–	0.186	–	0.052	–	0.090	–	0.123	–	0.035	–	0.138
<b>TERM INFANT</b>																					
6720130B	658-g container	SIMILAC PRO-ADVANCE® STEP 1	Powder	0.25	0.03	0.58	0.08	1.08	0.14	0.88	0.12	0.29	0.04	0.45	0.06	0.60	0.08	0.183	0.024	0.64	0.08
67269871	59-mL plastic bottle	SIMILAC PRO-ADVANCE® STEP 1	Ready to use	–	0.035	–	0.083	–	0.145	–	0.119	–	0.034	–	0.060	–	0.078	–	0.022	–	0.093
6720430B	658-g container	SIMILAC PRO-ADVANCE® STEP 2	Powder	0.25	0.03	0.58	0.08	1.08	0.14	0.88	0.12	0.29	0.04	0.45	0.06	0.60	0.08	0.183	0.024	0.64	0.08
67268899	235-mL plastic bottle	SIMILAC PRO-ADVANCE® STEP 2	Ready to use	–	0.035	–	0.083	–	0.145	–	0.119	–	0.034	–	0.060	–	0.078	–	0.022	–	0.093
6499230B	658-g container	SIMILAC® ADVANCE® STEP 1	Powder	0.25	0.03	0.58	0.08	1.08	0.14	0.88	0.12	0.29	0.04	0.45	0.06	0.60	0.08	0.180	0.024	0.64	0.08
66333510	385-mL can	SIMILAC® ADVANCE® STEP 1	Concentrated liquid	–	0.061	–	0.153	–	0.300	–	0.217	–	0.073	–	0.119	–	0.156	–	0.046	–	0.171
64995899	235-mL plastic bottle	SIMILAC® ADVANCE® STEP 1	Ready to use	–	0.350	–	0.083	–	0.145	–	0.119	–	0.034	–	0.060	–	0.078	–	0.022	–	0.093
6499130B	658-g container	SIMILAC® ADVANCE® STEP 2	Powder	0.25	0.03	0.58	0.08	1.08	0.14	0.88	0.12	0.29	0.04	0.45	0.06	0.60	0.08	0.180	0.024	0.64	0.08
66336510	385-mL can	SIMILAC® ADVANCE® STEP 2	Concentrated liquid	–	0.066	–	0.154	–	0.302	–	0.219	–	0.074	–	0.122	–	0.156	–	0.046	–	0.172
05250301	850-g container	SIMILAC® STEP 1	Powder	0.22	0.03	0.59	0.08	1.05	0.14	0.87	0.11	0.30	0.04	0.44	0.06	0.56	0.07	0.162	0.0213	0.59	0.08
05252301	850-g container	SIMILAC® STEP 2	Powder	0.22	0.03	0.59	0.08	1.05	0.14	0.87	0.11	0.30	0.04	0.44	0.06	0.56	0.07	0.162	0.0213	0.59	0.08
05225301	850-g container	SIMILAC® LOWER IRON	Powder	0.220	0.030	0.590	0.080	1.050	0.140	0.870	0.110	0.300	0.040	0.440	0.060	0.560	0.070	0.162	0.0213	0.590	0.080
6635030C	658-g container	SIMILAC® TOTAL COMFORT <sup>MC</sup>	Powder	0.210	0.028	0.870	0.116	1.414	0.187	1.211	0.160	0.290	0.038	0.423	0.056	0.956	0.127	0.243	0.032	0.806	0.107
6499830C	638-g container	SIMILAC® SENSITIVE® FOR LACTOSE SENSIVITY	Powder	0.330	0.043	0.680	0.089	1.280	0.168	1.040	0.137	0.339	0.045	0.626	0.082	0.559	0.074	0.191	0.025	0.771	0.102
66338510	385-mL can	SIMILAC® SENSITIVE® FOR LACTOSE SENSIVITY	Concentrated liquid	–	0.082	–	0.152	–	0.321	–	0.246	–	0.087	–	0.159	–	0.137	–	0.041	–	0.195
66360871	59-mL plastic bottle	SIMILAC® SENSITIVE® FOR LACTOSE SENSIVITY	Ready to use	–	0.043	–	0.078	–	0.155	–	0.130	–	0.043	–	0.077	–	0.071	–	0.020	–	0.097
05571353	800-g container	SIMILAC® ISOMIL®	Powder	0.330	0.040	0.610	0.080	1.030	0.140	0.790	0.100	0.240	0.032	0.650	0.090	0.480	0.060	0.170	0.022	0.630	0.080
66475871	59-mL plastic bottle	SIMILAC® ISOMIL®	Ready to use	–	0.040	–	0.085	–	0.140	–	0.130	–	0.019	–	0.091	–	0.066	–	0.023	–	0.083
66359871	59-mL plastic bottle	SIMILAC® 24	Ready to use	–	0.039	–	0.092	–	0.162	–	0.133	–	0.039	–	0.067	–	0.086	–	0.0268	–	0.104
57077340	400-g container	SIMILAC® ALIMENTUM®	Powder	0.408	0.053	0.835	0.109	1.433	0.187	1.193	0.156	0.415	0.054	0.679	0.089	0.663	0.087	0.171	0.022	1.057	0.138
59738871	59-mL plastic bottle	SIMILAC® ALIMENTUM®	Ready to use	–	0.054	–	0.109	–	0.178	–	0.161	–	0.054	–	0.087	–	0.089	–	0.021	–	0.139
58266941	237-mL can	SIMILAC® ALIMENTUM®	Ready to use	–	0.054	–	0.109	–	0.178	–	0.161	–	0.054	–	0.087	–	0.089	–	0.0277	–	0.139
05172A91	700-g container	SIMILAC® SIMPLY NURTURE	Powder	0.220	0.030	0.590	0.080	1.050	0.140	0.870	0.110	0.300	0.040	0.440	0.060	0.560	0.070	0.180	0.024	0.590	0.080
<b>TODDLERS AND CHILDREN</b>																					
05918301	850-g container	GO & GROW BY SIMILAC <sup>MC</sup> STEP 3, Milk flavour	Powder	0.530	0.080	1.000	0.152	1.920	0.292	1.540	0.234	0.530	0.081	0.920	0.140	0.840	0.127	0.260	0.039	1.220	0.185
66699848	235-mL plastic bottle	GO & GROW BY SIMILAC <sup>MC</sup> STEP 3	Ready to use	–	0.096	–	0.193	–	0.375	–	0.293	–	0.091	–	0.187	–	0.178	–	0.050	–	0.222
62491526	235-mL plastic bottle	PEDIASURE COMPLETE® GROW & GAIN <sup>MC</sup> , Vanille	Ready to use	–	0.096	–	0.193	–	0.375	–	0.293	–	0.091	–	0.187	–	0.178	–	0.050	–	0.222
62200570	235-mL can	PEDIASURE®, Vanille	Ready to use	–	0.073	–	0.154	–	0.278	–	0.226	–	0.077	–	0.137	–	0.140	–	0.038	–	0.181
62197570	235-mL can	PEDIASURE® FIBRE, Vanille	Ready to use	–	0.076	–	0.155	–	0.287	–	0.229	–	0.076	–	0.141	–	0.142	–	0.039	–	0.186
62244570	235-mL can	PEDIASURE® PLUS, Vanille	Ready to use	–	0.103	–	0.214	–	0.394	–	0.314	–	0.104	–	0.194	–	0.196	–	0.054	–	0.257
62119825	235-mL can	PEDIASURE® PEPTIDE, Vanille	Ready to use	–	0.066	–	0.165	–	0.389	–	0.294	–	0.083	–	0.132	–	0.153	–	0.060	–	0.182
<b>SPECIALTY</b>																					
00108012	384-mL can	RCF®	Concentrated liquid	–	0.102	–	0.177	–	0.312	–	0.242	–	0.085	–	0.209	–	0.151	–	0.048	–	0.181

† The values for powdered format are based on the standard dilution of the product.

This information was accurate at the time of publication.

Updated: NOVEMBER 2020

## Nonessential & Conditionally Essential Amino Acid Profiles

PRODUCT				Alanine		Arginine		Aspartic acid		Cystine		Glutamic acid		Glycine		Proline		Serine		Tyrosine	
List #	Format	PRODUCT NAME	Availability	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>	g/100 g of powder	g/100 mL <sup>†</sup>
				<b>PRETERM INFANT</b>																	
63010A14	5-mL packets	SIMILAC <sup>®</sup> HUMAN MILK FORTIFIER, EXTENSIVELY HYDROLYZED PROTEIN CONCENTRATED LIQUID	Ready to mix	3.800	0.380	4.200	0.420	8.200	0.820	0.500	0.050	22.000	2.200	2.700	0.270	10.300	1.030	5.600	0.560	-	0.146
54598934	0.9-g packets	SIMILAC <sup>®</sup> HUMAN MILK FORTIFIER	Ready to mix	1.333	-	1.863	-	3.950	-	0.383	-	3.534	-	0.693	-	1.870	-	1.436	-	0.552	-
66357871	59-mL plastic bottle	SIMILAC <sup>®</sup> HUMAN MILK FORTIFIER SPECIAL CARE <sup>®</sup> 30	Ready to mix	-	0.130	-	0.089	-	0.296	-	0.062	-	0.654	-	0.069	-	0.177	-	0.175	-	0.037
62317X31	59-mL plastic bottle	LIQUIPROTEIN <sup>™</sup>	Ready to mix	-	0.625	-	0.705	-	1.390	-	0.092	-	3.850	-	0.443	-	1.770	-	1.040	-	0.150
66354871	59-mL plastic bottle	SIMILAC <sup>®</sup> SPECIAL CARE <sup>®</sup> 20	Ready to use	-	0.107	-	0.069	-	0.240	-	0.040	-	0.494	-	0.047	-	0.197	-	0.138	-	0.084
66355871	59-mL plastic bottle	SIMILAC <sup>®</sup> SPECIAL CARE <sup>®</sup> 24	Ready to use	-	0.107	-	0.069	-	0.240	-	0.040	-	0.494	-	0.047	-	0.197	-	0.138	-	0.084
66356871	59-mL plastic bottle	SIMILAC <sup>®</sup> SPECIAL CARE <sup>®</sup> 24 HIGH PROTEIN	Ready to use	-	0.119	-	0.078	-	0.265	-	0.042	-	0.549	-	0.053	-	0.219	-	0.153	-	0.097
57430718	363-g container	SIMILAC <sup>®</sup> NEOSURE <sup>®</sup>	Powder	0.490	0.071	0.390	0.056	1.140	0.165	0.170	0.025	2.580	0.375	0.240	0.035	1.190	0.173	0.700	0.102	0.570	0.083
66358871	59-mL plastic bottle	SIMILAC <sup>®</sup> NEOSURE <sup>®</sup>	Ready to use	-	0.093	-	0.069	-	0.195	-	0.032	-	0.277	-	0.043	-	0.182	-	0.155	-	0.089
<b>TERM INFANT</b>																					
6720130B	658-g container	SIMILAC PRO-ADVANCE <sup>®</sup> STEP 1	Powder	0.43	0.06	0.31	0.04	0.97	0.13	0.15	0.02	2.17	0.29	0.20	0.03	0.93	0.12	0.60	0.08	0.39	0.05
67269871	59-mL plastic bottle	SIMILAC PRO-ADVANCE <sup>®</sup> STEP 1	Ready to use	-	0.058	-	0.046	-	0.130	-	0.021	-	0.289	-	0.028	-	0.121	-	0.077	-	0.061
6720430B	658-g container	SIMILAC PRO-ADVANCE <sup>®</sup> STEP 2	Powder	0.43	0.06	0.31	0.04	0.97	0.13	0.15	0.02	2.17	0.29	0.20	0.03	0.93	0.12	0.60	0.08	0.39	0.05
67268899	235-mL plastic bottle	SIMILAC PRO-ADVANCE <sup>®</sup> STEP 2	Ready to use	-	0.058	-	0.046	-	0.130	-	0.021	-	0.289	-	0.028	-	0.121	-	0.077	-	0.061
6499230B	658-g container	SIMILAC <sup>®</sup> ADVANCE <sup>®</sup> STEP 1	Powder	0.43	0.06	0.31	0.04	0.97	0.13	0.15	0.02	2.17	0.29	0.20	0.03	0.93	0.12	0.60	0.08	0.39	0.05
66333510	385-mL can	SIMILAC <sup>®</sup> ADVANCE <sup>®</sup> STEP 1	Concentrated liquid	-	0.117	-	0.076	-	0.264	-	0.035	-	0.598	-	0.056	-	0.238	-	0.162	-	0.093
64995899	235-mL plastic bottle	SIMILAC <sup>®</sup> ADVANCE <sup>®</sup> STEP 1	Ready to use	-	0.058	-	0.046	-	0.130	-	0.021	-	0.289	-	0.028	-	0.121	-	0.077	-	0.061
6499130B	658-g container	SIMILAC <sup>®</sup> ADVANCE <sup>®</sup> STEP 2	Powder	0.43	0.06	0.31	0.04	0.97	0.13	0.15	0.02	2.17	0.29	0.20	0.03	0.93	0.12	0.60	0.08	0.39	0.05
66336510	385-mL can	SIMILAC <sup>®</sup> ADVANCE <sup>®</sup> STEP 2	Concentrated liquid	-	0.118	-	0.081	-	0.265	-	0.035	-	0.592	-	0.056	-	0.253	-	0.163	-	0.094
05250301	850-g container	SIMILAC <sup>®</sup> STEP 1	Powder	0.41	0.05	0.33	0.04	0.90	0.12	0.16	0.02	1.94	0.26	0.20	0.03	0.86	0.11	0.56	0.07	0.47	0.06
05252301	850-g container	SIMILAC <sup>®</sup> STEP 2	Powder	0.41	0.05	0.33	0.04	0.90	0.12	0.16	0.02	1.94	0.26	0.20	0.03	0.86	0.11	0.56	0.07	0.47	0.06
05225301	850-g container	SIMILAC <sup>®</sup> LOWER IRON	Powder	0.41	0.05	0.33	0.04	0.90	0.12	0.16	0.02	1.94	0.26	0.20	0.03	0.86	0.11	0.56	0.07	0.47	0.06
6635030C	658-g container	SIMILAC <sup>®</sup> TOTAL COMFORT <sup>™</sup> MC	Powder	0.662	0.088	0.354	0.047	1.443	0.191	0.337	0.045	2.309	0.306	0.248	0.033	0.797	0.106	0.679	0.090	0.398	0.053
6499830C	638-g container	SIMILAC <sup>®</sup> SENSITIVE <sup>®</sup> FOR LACTOSE SENSIVITY	Powder	0.436	0.057	0.491	0.065	0.980	0.129	0.105	0.014	2.620	0.345	0.241	0.032	1.250	0.165	0.677	0.089	0.644	0.085
66338510	385-mL can	SIMILAC <sup>®</sup> SENSITIVE <sup>®</sup> FOR LACTOSE SENSIVITY	Concentrated liquid	-	0.107	-	0.106	-	0.242	-	0.020	-	0.694	-	0.060	-	0.324	-	0.179	-	0.138
66360871	59-mL plastic bottle	SIMILAC <sup>®</sup> SENSITIVE <sup>®</sup> FOR LACTOSE SENSIVITY	Ready to use	-	0.054	-	0.055	-	0.123	-	0.011	-	0.343	-	0.029	-	0.157	-	0.091	-	0.087
05571353	800-g container	SIMILAC <sup>®</sup> ISOMIL <sup>®</sup>	Powder	0.54	0.07	0.95	0.12	0.72	0.09	0.16	0.02	1.19	0.16	0.53	0.07	0.64	0.08	0.65	0.09	0.48	0.06
66475871	59-mL plastic bottle	SIMILAC <sup>®</sup> ISOMIL <sup>®</sup>	Ready to use	-	0.076	-	0.134	-	0.202	-	0.019	-	0.323	-	0.072	-	0.091	-	0.086	-	0.067
66359871	59-mL plastic bottle	SIMILAC <sup>®</sup> 24	Ready to use	-	0.064	-	0.052	-	0.145	-	0.023	-	0.325	-	0.031	-	0.136	-	0.086	-	0.069
57077340	400-g container	SIMILAC <sup>®</sup> ALIMENTUM <sup>®</sup>	Powder	0.549	0.072	0.560	0.073	0.987	0.129	0.196	0.026	3.289	0.430	0.390	0.051	1.521	0.199	0.894	0.117	0.310	0.041
59738871	59-mL plastic bottle	SIMILAC <sup>®</sup> ALIMENTUM <sup>®</sup>	Ready to use	-	0.071	-	0.078	-	0.158	-	0.019	-	0.427	-	0.050	-	0.198	-	0.116	-	0.019
58268941	237-mL can	SIMILAC <sup>®</sup> ALIMENTUM <sup>®</sup>	Ready to use	-	0.071	-	0.078	-	0.158	-	0.0289	-	0.427	-	0.050	-	0.198	-	0.116	-	0.029
0S172A91	700-g container	SIMILAC <sup>®</sup> SIMPLY NURTURE	Powder	0.410	0.050	0.330	0.040	0.900	0.120	0.160	0.020	1.940	0.260	0.200	0.030	0.860	0.110	0.560	0.070	0.470	0.060
<b>TODDLERS AND CHILDREN</b>																					
05918301	850-g container	GO & GROW BY SIMILAC <sup>™</sup> STEP 3, Milk flavour	Powder	0.630	0.096	0.760	0.115	1.480	0.225	0.160	0.024	4.040	0.614	0.380	0.057	1.870	0.284	1.030	0.157	0.960	0.146
66699848	235-mL plastic bottle	GO & GROW BY SIMILAC <sup>™</sup> STEP 3	Ready to use	-	0.147	-	0.163	-	0.358	-	0.037	-	0.828	-	0.096	-	0.336	-	0.215	-	0.145
62491526	235-mL plastic bottle	PEDIASURE COMPLETE <sup>®</sup> GROW & GAIN <sup>™</sup> , Vanilla	Ready to use	-	0.147	-	0.163	-	0.358	-	0.037	-	0.828	-	0.096	-	0.336	-	0.215	-	0.145
62200570	235-mL can	PEDIASURE <sup>®</sup> , Vanilla	Ready to use	-	0.100	-	0.094	-	0.227	-	0.021	-	0.620	-	0.053	-	0.291	-	0.162	-	0.129
62197570	235-mL can	PEDIASURE <sup>®</sup> FIBRE, Vanilla	Ready to use	-	0.103	-	0.095	-	0.230	-	0.022	-	0.630	-	0.066	-	0.301	-	0.165	-	0.127
62244570	235-mL can	PEDIASURE <sup>®</sup> PLUS, Vanilla	Ready to use	-	0.139	-	0.129	-	0.316	-	0.029	-	0.875	-	0.076	-	0.414	-	0.227	-	0.167
62119825	235-mL can	PEDIASURE <sup>®</sup> PEPTIDE, Vanilla	Ready to use	-	0.157	-	0.094	-	0.323	-	0.065	-	0.601	-	0.064	-	0.218	-	0.148	-	0.113
<b>SPECIALTY</b>																					
00108012	384-mL can	RCF <sup>®</sup>	Concentrated liquid	-	1.670	-	3.010	-	4.440	-	0.430	-	7.200	-	1.630	-	2.080	-	2.080	-	1.560

† The values for powdered format are based on the standard dilution of the product.

This information was accurate at the time of publication.

For additional information, please contact **Abbott Nutrition Communications**: 1-866-767-7411, Option 1, or [canada.nutrition@abbott.com](mailto:canada.nutrition@abbott.com).

Updated: NOVEMBER 2020