PROTIDE | TECHNICAL DATA SHEET

Conventional Pea Protein

HYDROPEA® | Series selection data | Issue date: 30 October 2026

HYDROPEA® conventional pea protein isolate is produced by separating and concentrating protein from yellow peas, followed by homogenization, sterilization and spray drying.

Grade specifications

Parameter	C85A	C85B	C80A	C80B
Appearance	Cream-colored powder	Cream-colored powder	Cream-colored powder	Cream-colored powder
Protein, dry basis (%)	≥85.0	≥85.0	≥80.0	≥80.0
Moisture (%)	≤8.0	≤8.0	≤8.0	≤8.0
Ash (%)	≤6.5	≤6.5	≤6.5	≤6.5
Crude fiber (%)	≤3.0	≤3.0	≤3.0	≤7.0
pH	6.0-8.0	6.0-8.0	6.0-8.0	6.0-8.0
Total plate count (CFU/g)	<10,000	<10,000	<10,000	<10,000
Yeast (CFU/g)	<50	<50	<50	<50
Molds (CFU/g)	<50	<50	<50	<50
Escherichia coli	Not detected	Not detected	Not detected	Not detected
Salmonella	Not detected	Not detected	Not detected	Not detected

Specifications apply only to the named grade. Not detected is not a numerical zero; not specified means no limit is given in the supplied grade data. Use the current lot COA for batch approval.

Supply and storage

Item	Details
Packing	20 kg/bag
Storage	Keep sealed in a cool, dry place away from direct sunlight, below 25°C.
Shelf life	Two years in unopened original packaging
Handling	Use clean, dry tools. Reseal opened packaging promptly to protect from moisture and contamination.

Conventional Pea Protein | Typical profiles

Typical nutritional and amino acid values are indicative composition data, not guaranteed quality limits. Values are stated per 100 g powder unless a different unit is shown.

Typical nutritional values per 100 g powder

Parameter	C85A	C85B	C80A	C80B
Total fat (g)	2.11	2.05	1.34	6.90
Saturated fat (g)	0.48	0.42	0.35	1.61
Total carbohydrate (g)	3.29	3.31	4.60	3.70
Calories from fat (kcal)	55	54	75	62
Energy (kcal)	388	387	397	388
Total sugars (g)	Not detected	Not detected	Not detected	Not detected
Iron (mg)	18.75	19.12	22.41	20.43
Potassium (mg)	76.43	77.24	97.61	91.61
Calcium (mg)	192.62	203.35	166.64	239.42
Sodium (mg)	793.97	788.41	1109.38	935.63

Typical amino acid profile (g/100 g powder)

Parameter	C85A	C85B	C80A	C80B
Isoleucine	3.88	3.96	3.95	3.85
Leucine	7.48	7.51	6.91	7.02
Lysine	6.44	6.32	6.00	6.17
Methionine	1.09	1.12	0.87	0.96
Phenylalanine	4.90	4.75	4.49	4.56
Threonine	2.92	2.83	2.94	2.95
Tryptophan	0.72	0.75	0.66	0.62
Valine	4.47	4.52	4.12	4.22
Arginine	7.49	7.56	6.39	7.07
Cystine	1.50	1.41	1.51	1.40
Glutamic acid	14.85	14.74	14.12	13.98
Histidine	2.32	2.22	1.92	2.01
Proline	3.51	3.63	3.24	3.29
Tyrosine	3.23	3.42	3.11	3.03
Alanine	3.65	3.60	3.44	3.42
Aspartic acid	9.69	9.72	9.12	9.20
Glycine	3.31	3.28	3.12	3.13
Serine	4.25	4.33	4.17	4.10