



## Technical Data Sheet

X-SOY 200 is CJ Selecta's micronized soy protein concentrate. It is an innovative vegetable protein, with high quality, widely used as a functional ingredient for aqua feeds, piglets feeds, starter chickens diets, pet food and calf milk replacers.

Our micronization process assures an efficient surface area:volume ratio, improving X-SOY 200 nutrients digestibility, becoming a strategic feedstuff for pre-starter and nursery diets.

### Chemical Composition

Crude protein (DM)	65%
Crude protein (as is)	60%
Moisture (max)	10%
Fat (min)	0.4%
Ash (max)	7%
Crude fiber (max)	6%
NDF	12%
ADF	7%

### Antinutritional Factors (ANF)

Trypsin inhibitor activity	< 1.00 mg/kg
Beta-conglycinin	< 3.0 mg/kg
Glycinin	< 2.0 mg/kg
Raffinose	< 0.6%
Stachyose	< 1.6%

### Contaminants

Salmonella	Absent/25g
Mycotoxins	Absent
Dioxin	Absent

### Packaging

Bags	25 kg
Bigbags	1000 & 1200 kg

**Shelf life** 24 months

**Particle size** 95% < 180 microns

### Storage

Store on pallets in a covered, dry and ventilated place

### Energy <sup>(1)</sup>

Gross energy 4471 kcal/kg

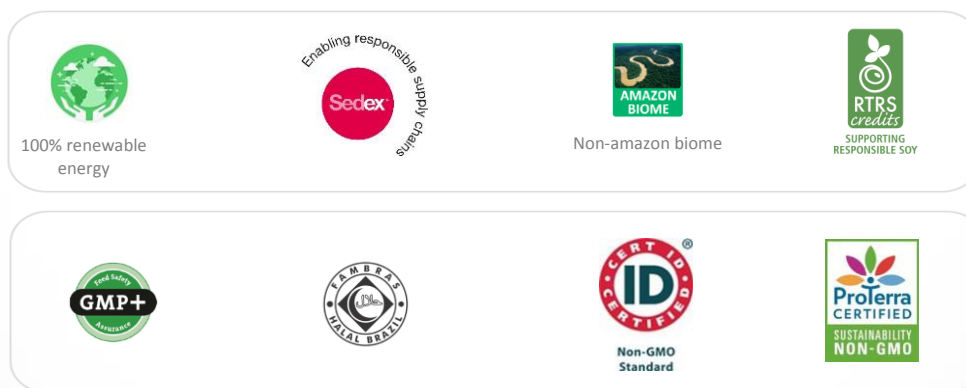
### Amino acids <sup>(1)</sup>

Amino acids <sup>(1)</sup>	Total (%)
Alanine	2.68
Arginine	4.59
Aspartic acid	7.02
Glutamic acid	11.27
Cystin	0.92
Phenylalanine	3.18
Glycin	2.60
Histidine	1.67
Isoleucine	2.79
Leucine	4.68
Lysine	3.87
Methionine	0.85
Prolin	3.14
Serine	3.52
Tyrosin	2.35
Threonine	2.47
Tryptophan	0.81
Valine	3.01
Met + Cys	1.77
Phe + Tyr	5.53
Gly + Ser	6.12



<b>Fatty acids</b>	<b>g/100g</b>	<b>Minerals<sup>(1)</sup></b>	<b>g/100g</b>
Palmitic acid C16:0	0.31	Calcium	0.40
Stearic acid C18:0	0.08	Total phosphorous	0.73
Elaidic acid C18:1 n-9	0.40	Phytic phosphorous	0.45
Linoleic acid C18:2 n-6	0.91	Available phosphorous	0.27
		Potassium	2.18
Total neutral lipids	1.208	Sodium	0.02
Glycolipid 3	0.102	Magnesium	0.29
Glycolipid 2	0.035		<b>mg/kg</b>
Glycolipid 1	0.010	Manganese	38.3
Phosphatidylethanolamine	0.190	Iron	150
Phosphatidylglycerol/cardiolipin	0.027	Copper	32.6
Phosphatidylinositol	0.101	Zinc	24
Phosphatidylserine	0.034		<b>mg/kg</b>
Phosphatidylcholine	0.150	<b>Vitamins</b>	
Sphingomyelin	0.008	Biotin	0.26
Lysophosphatidylcholine	0.008	Choline	2.61
Pigmented material	0.132	Folacin	0.60
Total polar lipids	0.797	Nacin	28.0
		Pantothenic acid	16.3
<b>Suggested inclusion levels</b>		Vitamin B6	6.00
Aquafeed	7 to 20%	Riboflavin	2.90
Pet food	5 to 33%	Thiamin	6.0
Poultry	3 to 6%	Vitamin E	2.40
Piglet	3 to 12%		

*X-SOY 200 is produced through an aqueous alcohol extraction of defatted soy flakes. This extraction process removes soluble carbohydrate, lectins, trypsin inhibitors, glycinin, beta-conglycinin, saponins and oligosaccharides that are considered to be antinutritional factors (ANF's) that naturally occurs in soybeans.*



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REVISED IN: FEBRUARY/2018

<sup>1</sup> ROSTAGNO, H.S. ET AL. BRAZILIAN TABLES FOR POULTRY AND SWINE. 4<sup>TH</sup> ED. VIÇOSA: DEPARTAMENTO DE ZOOTECNIA, UFV, 2017