

HIGH PROTEIN SOY ISOLATES



Add high-quality, complete protein with ease

CHS soy isolates are designed to meet the needs of progressive food, beverage and dietary supplement manufacturers seeking a highly purified form of soy protein. We offer a full line of trusted CHS soy isolate products that are ideal for diverse applications ranging from dry, blended beverages and protein bars to supplements, ready-to-drink beverages, and meat products.

CHS uses a unique method designed to remove carbohydrates and other factors, and then dries the protein to preserve its highly functional properties, resulting in a uniquely clean tasting flavor profile that provides versatility and ease when formulating your applications.

Reliable, quality soy proteins

At CHS, we take pride in producing a vast range of quality ingredients from soybeans using state-of-the-art technology and equipment.

Our isolated soy proteins are manufactured from North American non-GMO soybeans at our South Sioux City, Neb., USA facility.

- CHS soy isolates are formulated to deliver excellent functional properties tailored to a wide range of applications.
- CHS soy isolates are manufactured under strict quality control to deliver a consistent, complete protein with a uniquely neutral flavor profile, making it easy to develop products around.
- All CHS soy isolates are certified Kosher and Halal.
- CHS soy isolates are CertID certified non-GMO and Non-GMO Project Verified.



Ask us about specialized soy isolates such as:

- Highly dispersible isolated soy proteins – for ready-to-drink and dry blended beverages
- Low viscosity isolated soy proteins – for ready-to-drink beverages, nutritional bars, and extruded nuggets and crisps
- High viscosity, high gelling, good emulsifier for emulsified meats

Key applications

- Dairy-type products like beverage powders, meal supplements/meal replacements, and yogurt
- Salty snacks like pretzels and corn chips, snack bars and meal replacement bars, cereals, and high-protein crisps/nuggets
- Breads and baked goods
- Meat, poultry, and seafood industries
- Soups and sauces
- Protein enhanced fruit drinks

Typical Product Composition*

Protein (mfb)	90% minimum
Moisture	6% maximum
Standard Plate Count (per g)	10,000 maximum
Salmonella (per 375 g)	Negative
E. coli (per g)	<3 cfu/g

* all isolates except those with added components such as calcium have 90% minimum protein

Packaging and storage

- CHS soy isolates are packed in food grade packaging.
- Store isolate in a dry place, preferably below 26°C (78°F) at a relative humidity of 60% or less.

Innovative solutions and technical expertise

Unique in our close connections to soybean growers and our extensive involvement in soybean processing, CHS brings out the best in soy from soybean field to tasty and healthful drinks and foods.



Our team of application specialists is dedicated to developing formulations and products that best meet your requirements for taste, texture, functionality and cost. We are ready to assist you with a broad range of soy applications, including customized solutions



to meet your unique needs, to help you grow your business.

Manufacturers in over 60 countries rely on the consistency of our food ingredients to ensure consumers experience the ideal taste and texture with every bite.



Recommended Applications

	814	842	742	741	735	758	736	910	920
Characteristics	Very low viscosity, high solubility	Very low viscosity, high solubility	Very low viscosity, high solubility	Low viscosity, good dispersion	Moderate viscosity, calcium fortified	High viscosity, slightly acidic	High viscosity, good dispersion	High viscosity gelling isolate	High viscosity gelling isolate
Emulsified meats								•	•
Coarse ground sausages								•	•
Whole muscle meats									
Restructured meats								•	•
Poultry and non-cured meats									
Patties								•	•
Pâtés								•	•
Seafood and surimi								•	•
Pizza toppings								•	•
Vegetarian meat analogs								•	•
Dry beverage blends				•	•	•	•		
Ready-to-drink beverages			•	•	•		•		
Ready-to-drink beverages, low pH, UHT			•	•	•	•	•		
Ready-to-drink beverages, calcium fortified, UHT					•				
Ice cream					•	•	•		
Nutritional bars	•	•	•	•		•	•		
Extrusion crisps and nuggets	•	•						•	•
Convenience foods			•	•		•		•	•
Bakery			•	•	•	•	•	•	
Non-food pharma				•				•	



Farmer-owned with
global connections

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WORLD-CLASS QUALITY STARTS IN OUR FARMERS' FIELDS



You can count on CHS Processing and Food Ingredients for consistent, quality products that live up to your highest expectations.

Our vertically-integrated, cooperative business model gives us a unique ability to control quality and preserve the identity of soybeans from seed through processing – including marketing products with the Non-GMO Project Verified seal. Owned by farmers and cooperatives, CHS has a long history of providing crop inputs, agronomic advice and marketing services to soybean growers, and adding value to their harvest by processing their beans, refining the oil and producing soy- and canola-based ingredients and foods.

Global food brands rely on CHS for quality ingredients that are on spec and on time. As a global Fortune 500 leader, we source commodities daily, process nearly 120 million bushels of soybeans and 21 million bushels of canola seed annually, and continually invest in resources to serve your future needs. In addition to soy products, we offer ingredients made from our farmers' sunflowers, wheat and other crops. And with our deep involvement in the commodity markets, we can also help with your buying and inventory strategies.

We are committed to providing you with innovative solutions. The dedicated R&D team at the CHS Innovation and Technology Center will work closely with you to understand and deliver products that meet your specific needs.

We welcome the opportunity to work with you and help you grow your business.

CHS Processing and Food Ingredients remains committed to sustainability: As part of the nation's leading farmer-owned cooperative and



a leading processor of soybeans and canola seeds, CHS Processing and Food Ingredients is committed to doing what is right each day for our 600,000 farmer-owners, our employees, our customers around the world and the communities in which we operate. That includes a commitment to environmental, health and safety performance, food safety, regulatory compliance and community stewardship. Through our responsible actions we endeavor to meet the needs of the present while not compromising the needs of the future.

This brochure contains summary information only. Please see the applicable product data and specification sheets.

