

Specification Sheet

Product Name:	Vitamin B5 (D calcium pantothenate)	Batch Number:	FC-250616
Manufacture Date:	06.16.2025	Country of Origin:	China
Expire Date:	06.15.2027	CAS No.:	137-08-6

Item	Specification	Result
Appearance	White powder	Conforms
Identification	Optical Rotation, Specific Rotation +25.0°~+27.5°	+27.0°
Identification	Spectroscopic Identification Test, Infrared Spectroscopic: The infrared spectrum of the sample compares qualitatively to the infrared spectrum of the standard.	Conforms
Solubility	Freely soluble in water and insoluble in chloroform.	Conforms
Loss on Drying	≤5.0%	2.2%
Assay (D calcium pantothenate)	98.0%~102.0%	99.2%
Calcium	8.2%~8.6%	8.35%
pH	6.8~8.0	7.5
Bulk Density	/	0.73g/ml
Alkalinity	No pink color is produced within 5s.	Conforms
Residue on Ignition	≤0.1%	0.03%
Pb	≤0.5mg/kg	Conforms
As	≤1.0mg/kg	Conforms
Total Mold & yeast count	≤100CFU/g	Conforms
Yeast & Mold	≤10CFU/g	Conforms
Coliforms	≤3.0MPN/g	Conforms
Staphylococcus Aureus	Negative	Negative
Salmonella	n.d./25g	Conforms

Conclusion: The tested sample complies with USP41 Standards.

Approved By:

Allergen Statement

We hereby certify that our product does not contain, nor is it derived from, any of the known allergens listed in Directive 2007/68/EC (amending Annex IIIa to Directive 2000/13/EC) and the U.S. Food Allergen Labeling and Consumer Protection Act of 2004.

- Egg or any of its derivatives, including but not limited to, frozen yolk, egg white powder, and egg protein isolates.
- Milk or any of its derivatives, including but not limited to, milk caseinate, whey and yoghurt products.
- Peanuts or any of its derivatives, including pieces, butters, oils, flours or proteins.
- Seafood/Seafood-based products including but not limited to fish or any of its derivatives, including fish proteins or extracts. Shellfish, mollusks or any of their derivatives.
- Seeds (cottonseed, poppyseed, sesame seed, sunflower seed or legumes or any oils derived from these products)
- Soybean or its derivatives, including oils, tofu, protein isolates and lecithin.
- Monosodium glutamate, sulphites, sulfur dioxide or sodium metabisulfites.
- Tree Nuts which include almonds, brazil nuts, cashews, hazelnuts, macadamia nuts, pecans, pine nuts, pistachio nuts, and walnuts, or any derivatives of these nuts including pieces, butters, oils, flours or proteins.
- Wheat or gluten, including gluten from barley, bulgur, couscous, kamut, oats, rye, semolina, spelt, triticale, and their derivatives, either as grain or flour.
- Beef Bone Meal (Dust)
- Animal Fats
- Celery Root

For further information, please feel free to contact us at hello@bulkvitamins.eu.

Signature:



Date: 09/27/2025

Additional Information about Food Safety

GMO Status

Product is Non-GMO.

Irradiation Status

Product is Non-irradiation according to Directive EC 1999/2/EG and 1169/2011.

Allergen Status

Product is free of allergens according to Regulation (EU) No. 1169/2011 Annex II.

Vegan Status

Product is suitable for vegetarian or vegan diets.

TSE-BSE-Status

Product conforms to TSE/BSE regulation EC No.999/2001.

Food Grade Status

Product is suitable and safe for human consumption according to Regulation EC 178/2002.

Kosher & Halal Status

Product meets the Kosher & Halal food conditions.

Nanomaterials Status

In accordance with the definition of the "engineered nanomaterial" of the European regulation 2015/2283 and on our supplier's information, the product isn't complying with the definition of "engineered nanomaterials". So, this raw material, according to the European regulation 1169/2011, isn't subject to labelling as an engineered nanomaterial.

Non-Dangerous Product Status

Product does not meet the criteria for classification as dangerous in accordance with EU regulation (EC) No 1272/2008 and its modifications, therefore is not subject to the obligation to provide a Material Safety Data Sheet according to EU regulation (EC) NO1907/2006 and its modifications.

Anti Doping Status

Product does not contain any substances listed on the WADA List.

Fructose Status

Product is Fructose free.

Lactose Status

Product is Lactose free.

Gluten Status

Product is Gluten free.

Gelatine Status

Product is Gelatine free.

Sugar Status

Product is Sugar free.

Artificial Colors and Flavors

Product is free from artificial Colors and Flavors.

Animal Testing Status

Product is not tested on Animals.

Packaging Material Status

Product conforms to Regulation (EC) 10/2011 and Regulation (EC) 1935/2004.

Food Hygiene Status

Product conforms to Regulation (EC) 852/2004.

Plastics Statement

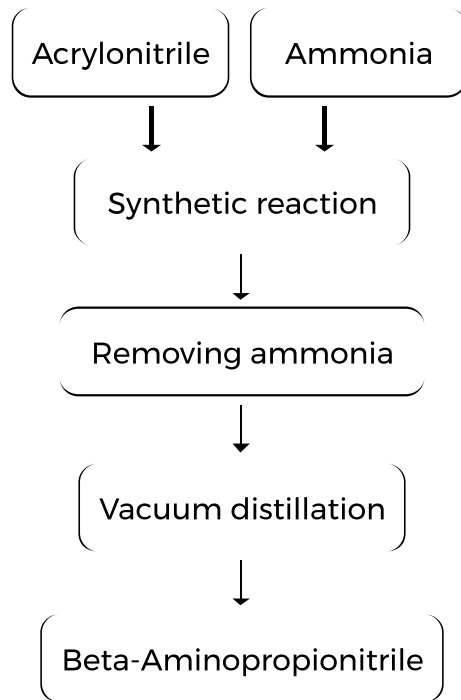
Product conforms to Regulation EC 10/2011.

Magnesium Stearate/Silicon Dioxide Statement

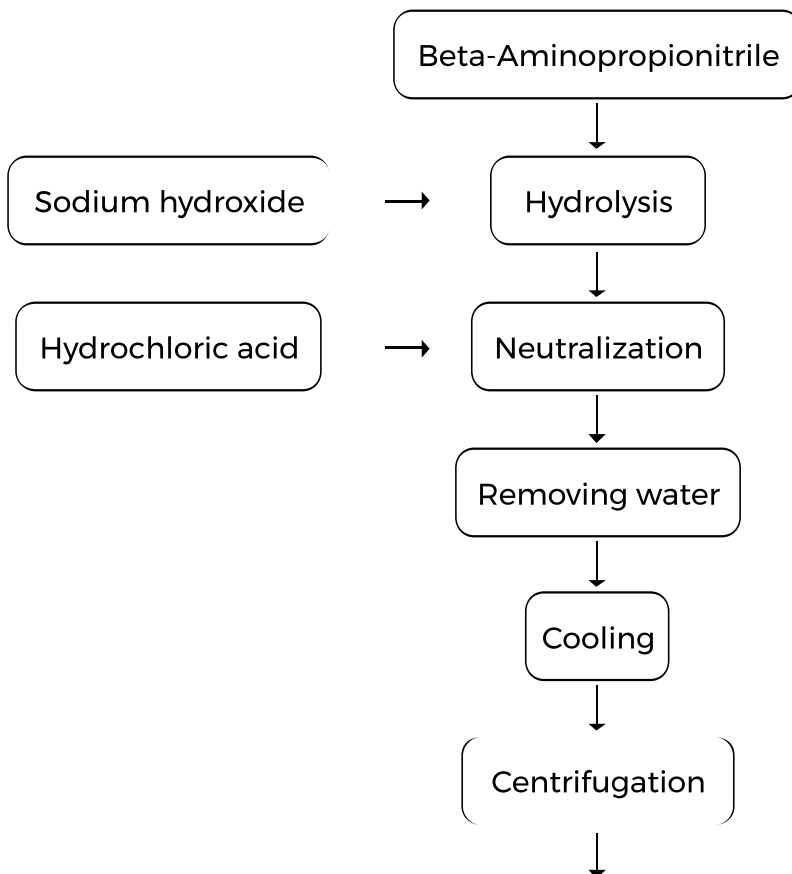
Product is free from Magnesium Stearate and Silicon Dioxide.

Flow Chart

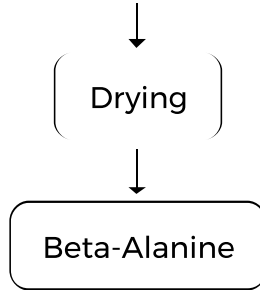
Step 1. Preparation of Beta-Aminopropionitrile



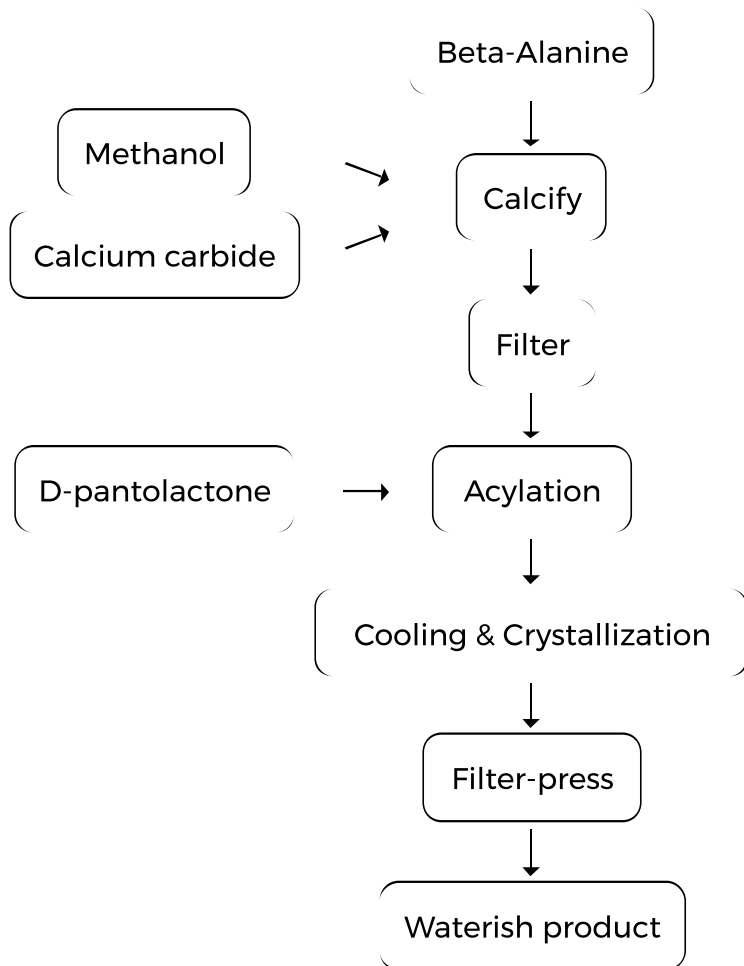
Step 2. Hydrolysis of Beta-Aminopropionitrile to Beta-Alanine



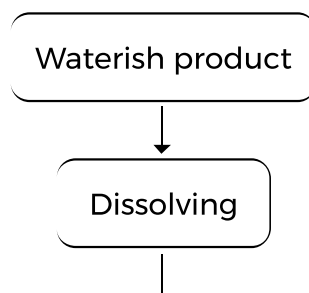
Flow Chart



Step 3. Synthesis of D-Calcium Pantothenate



Step 4. Finished product



Flow Chart

