

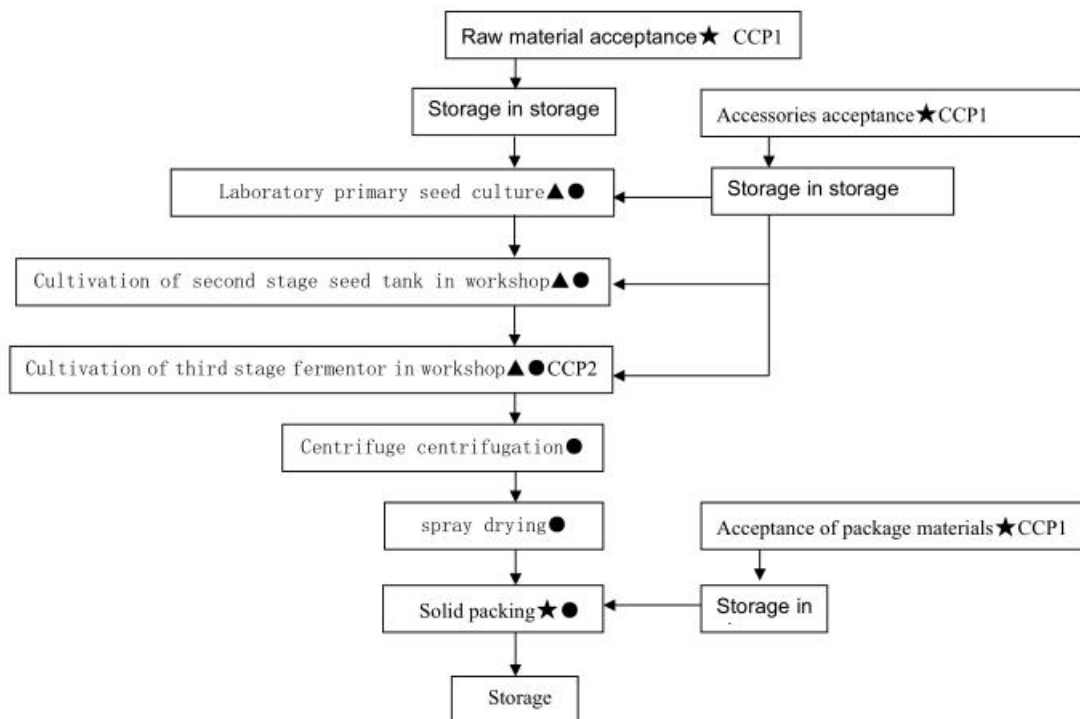


## Flowing chart

-----it isn't make from poultry

### 7. Process flow chart (*Bacillus subtilis* and *Bacillus licheniformis*)

▲: Representing raw material delivery points   ●: Represents a scrap removal point  
★: Representing checkpoint



Confirm: The process flow chart is consistent with the production of the workshop.





## Bacillus Subtilis Products information

【 Viable Content 】  $\geq 1 \times 10^{10}$  CFU/g,  $2 \times 10^{10}$  CFU/g,  $5 \times 10^{10}$  CFU/g,  $1 \times 10^{11}$  CFU/g.  
 $2 \times 10^{11}$  CFU/g.

### 【 Product Features 】

- 1 High-activity, high-purity, high-content, long-lasting effect;
- 2 Good stability, acid-proof, salt-tolerant, heat-resistant and compression resistant;
- 3 Strong stress resistance, easy to be resuscitated, reproduced and colonized;
- 4 Safety, green, and non-toxic without pollution and side effects.

### 【 Product Efficacy 】

1. Used for agricultural cultivation
  - 1.1 Plant protection product, enhance stress resistance of the crop, form a protective layer on the surface of plant as well as secrete antimicrobial substances and inhibit the growth of germs.
  - 1.2 Reduce the heavy metal content in plant, increase the essential amino acid content in plants, fix nitrogen and promote plant growth.
  - 1.3 Promote the decomposition of organic material, make nutrients for crops provide motives, decompose poisonous and harmful substances of the continuous cropping .
2. Used for livestock and poultry breeding
  - 2.1 Maintain the ecological balance of the intestinal, promote the growth of beneficial anaerobic bacteria in the intestinal tract, decrease the amount of Escherichia coli and vibrio, rod-shaped bacteria, enhance the anti-stress capability, prevent diarrhea effectively, constipation and reduce the diseases.
  - 2.2 Promote growth, produce organic acids, enzymes and B-vitamins, promote digestion and absorption and improve feed conversion ratio(FCR).
  - 2.3 Inhibit pathogenic bacteria, Poly-peptide active substances such as the iturin, polymyxin, nystatin, rod peptide and so on. It have obvious inhibition on pathogenic bacterium in the growth process.
  - 2.4 Improve immunity, stimulate the growth and develop animal immune organs, enhance resistance to disease, improve the survival rate. substitute or reduce antibiotic used and prevent the formation of drug-resistant bacteria.
  - 2.5 Optimize the breed environment, degrade feces and eliminate odor. Reduce the harmful gas concentration in the body and the emissions of pathogenic bacteria, purify aquaculture environment significantly.

### 【 Usage and Dosage 】

Calculate content as  $2 \times 10^{10}$  cfu/g dosage and other products can be according to the actual content for conversion.

1. Usage in agricultural cultivation



1.1 Fermentation of organic fertilizer: It is more efficient to cooperate with *Bacillus mucilaginosus* or *Bacillus megaterium* and the dosage is 100-200 g/ton.

1.2 Configuration of organic fertilizer: blending this product in 0.3-0.5 g/m<sup>3</sup> with farmyard manure, chemical fertilizer or moderate fine soil for bottom application, topdressing or water spray directly.

2. Usage in livestock and poultry breeding

Added to the basal feed or water step by step and then be fed directly. It can be also added in the feed processing.

poultry: 100-150g/ton, livestock: 150-200g/ton, aquaculture: 100-200g/ton.

**【Announcement】** It can not be used with bactericide and antibacterial agents.

**【Storage】** Store in a cool and dry place

**【Shelf life】** Room temperature preservation, 24months