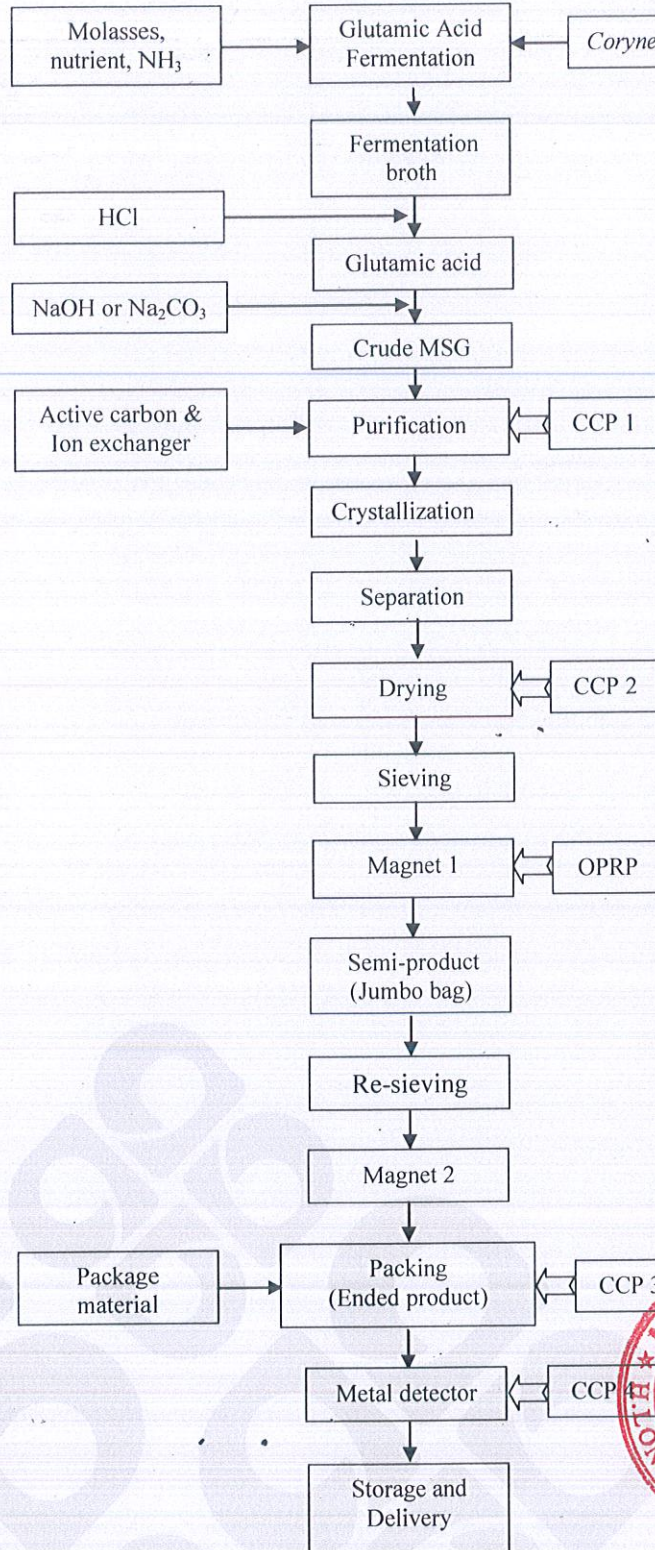


MSG PRODUCTION FLOWCHART (50LBS)

Reference: 910/23/CN – VDN

Date: 18/09/2023



Legend:

CCP: Critical control point
 OPRP: Control point according to operational prerequisite program

CCP 1: Controlling of physical hazards (using filter system)
 Critical limit:

- Opening dimension of the cloth filter: Max 10micron
- Cloth filter state: no damage (integrity). The difference of the input and output pressure is less than 2.4 kgf/cm².
- Spot / 3l PS solution: Max 20 (in which foreign matters larger than 500 μm are not more than 1, hazardous foreign matters: plastic particles, hair, insects, wood, metal ...: not allowed).

CCP 2: Controlling of microbiology hazard.

- Critical limit:
- Drying temperature: Min 110°C
 - Rotation of quantitative machine ≤ 7 rpm
 - Moisture of MSG after dried Max 0.22%

CCP3: Controlling of the microbiology hazard
 Critical limit:

- Heat sealing temp : 180°C ± 5°C

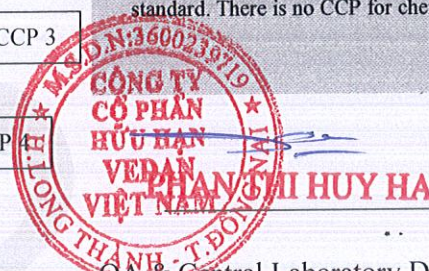
CCP4: Controlling of metallic foreign matter
 Critical limit:

- Detectable dimension of foreign matter:
 Fe: ø 2.0 mm, SUS: ø 3.5 mm

OPRP: Controlling of metallic foreign matter.
 Critical limit:

- Magnetic force of magnet: Min 4000 gauss.

Note: for the chemical hazard, controlling of heavy metals and residue of the processing aid chemical were taken by supervising the incoming raw material and controlling of SOP and SSOP according to ISO/ TS 22002-1:2009 standard. There is no CCP for chemical hazard.



QA & Central Laboratory Division Manager