

Sodium alginate

Cat. No. FA-PRE-005

Lot. No. (See product label)



Product Name

Sodium alginate

Product overview

Polymeric materials, sodium alginate is suspending, thickening, emulsifying, bonding and other effects, in the agent is mainly used for suspending agent, emulsifier, viscous agent, microcapsules encapsulating material and so on. As tablet binder (1% ~ 3%) and disintegrating agent (2.5% ~ 10%); used as a diluent in capsule; also used for the preparation of oral sustained release preparation, because it can delay the drug from the water soluble suspension of release; in the paste, ointment and the gel is widely used as a thickening agent and suspending agent (5% ~ 10%), and as a stabilizer in oil in water emulsions (1% ~ 3%) use. 0.5% ~ 2.5% aqueous solution can be used to smooth the skin erosion surface, can make the water of secretions and drying.

Food additives: film-forming agent, emulsifier, thickener.

Increased blood volume and maintain blood pressure, eliminate burn produced by histamine toxoid and trauma hemorrhage, operation before and after the cycle of system stability, a lot of hemorrhagic shock, burn shock, fever and other systemic acute dysentery dehydration, good treatment effect. Also has makes cholesterol excreted, inhibition of Pb, Cd, Sr is absorbed by the human body and the protection of the gastrointestinal tract, intestines, lose weight, the effect of reducing blood sugar.

The medicine is mainly used as a suspending agent, emulsifier, viscous agent, microcapsules encapsulating material and so on.

CAS number

9005-38-3

Molecular formula

$C_5H_7O_4COONa$

Specification

USP,EP

HS code

3913.1000.00

Appearance

White or brown-pale yellow powder

Appearance of solution

The test solution is more intensely colored than reference solution

Solubility

Slowly soluble in water, forming a viscous solution and colloidal, practically insoluble in ethanol 96%

Impurities

Heavy metals 20PPM

Arsenic 1.5PPM max

Lead 10PPM max

Chlorides 1.0% max

Calcium 1.5% max

Loss on drying

Max.15%

PH

6.4-8.0

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Mesh

60 mesh

Assay

90.8-106.0%

Viscosity (1% solution on natural basis) MPA.S

10max

Sulphated ash

30%-36%

Calcium content

0.3% max

Microbial enumeration tests

Total plate count 1000CFU/G max

Yeast and mould 100CFU/G max

E.COLI absent in 25G

Salmonella absent in 25G

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