Chinastandards.org

CCS X 40

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 1886.175-2016

National Food Safety Standard -- Food Additives -- Flaxseed gum (also known as Frank gum)

食品安全国家标准 食品添加剂 亚麻籽胶（又名富兰克胶）

(English Translation)

Issued on: August 31, 2016

Issued by: National Health and Family Planning Commission

Preview: page 1 of 3 shown, 2 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1886-175-2016

Chinastandards.org

Table of Contents

1 Scope

2 Technical Requirements

2.1 Sensory requirements

1 Scope

This standard applies to flax (Linumusitatissimum L.) seeds or the skins as raw material, extraction, refining and other processes made Food additives flaxseed gum (also known as Frank glue), mainly composed of water-soluble polysaccharides.

2.1 Sensory requirements

Sensory requirements shall comply with the requirements in Table 1.

Table 1 Sensory requirements

Project requires test methods White to reddish brown color or type khaki A.2 Identification Test Weigh the sample 1g, a 100mL cold water, stirring the dispersion, dissolved by heating, cooled to become translucent, homogenous viscoelastic gel Was added with an equal amount of glue volume of 95% ethanol, stirring, a white flocculent precipitate should be generated.

A.3 Determination of viscosity A.3.1 Instruments and Equipment Viscometer NDJ-1 type viscometer or equivalent assay performance.

A.3.2 Analysis step

Sample was weighed about 3g (accurate to 0.001 g of), dispersed in 300mL of water, stirred for about swollen IH, stirring while heating to boiling solvent Solution, with boiling water to make up the amount of water evaporated, stir, into tall beaker, covered with a watch glass placed 6h ~ 8h at 20 °C ± 1 °C, scrape Foam surface immediately select rotor No. 3 in the recorded value of viscosity at 1min 0.5min ~ 6r/min. When the viscosity is greater than Alternatively 15000mPa · s measured in a No. 4 rotor 12r/min while under the same conditions.

Determination of starch A.4 A.4.1 Reagents and materials Iodine reagent. Weigh iodine 14g, was placed 100mL of an aqueous solution containing 36g of potassium iodide was added 3 drops of hydrochloric acid, dissolved in water to volume to 1000mL.

A.4.2 Analysis step

Preview: page 2 of 3 shown, 2 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1886-175-2016

Chinastandards.org

Sample weighed 0.1g, placed in a beaker filled with 100mL of water, sufficiently dissolved after approximately 5min, iodine reagent was added, with stirring, not blue that is, by test color appears.

Preview: page 3 of 3 shown, 2 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1886-175-2016