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G1128 ▶ **Sigma-Aldrich**

Tragacanth

★★★★★ (0)



[Toutes les photos \(3\)](#)

Synonyme(s):

Gum tragacanth

Numéro CAS:

9000-65-1

Numéro EC:

232-552-5

Numéro MDL:

MFCD00131255

NACRES:

NA.25

Select an Option

Référence

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Documents

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PRODUITS RECOMMANDÉS



Sigma-Aldrich
G0503
Karaya gum

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PROPRIÉTÉS

Source biologique
plant (Astragalus gummifer)

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powder

Solubilité

H₂O: 20 mg/mL

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DESCRIPTION

Description générale

Tragacanth is a gum commonly found in the sap of various Middle Eastern legumes. It is commonly used as freezing-embedding medium for tissue preservation.

Application

When mixed with water, tragacanth yields a colloidal hydrosol. The bassorin fraction (which consists of approx. 60-70% of the compound) swells to form a gel. This swelling gives the gum tragacanth the ability to form thick, viscous dispersions and pastes. It is an effective emulsion stabilizer.

Conditionnement

100, 500 g in poly bottle

1 kg in poly bottle

Autres remarques

A complex mixture of polysaccharides including tragacanthin and bassorin.

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 2

Flash Point(F)

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not applicable



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Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

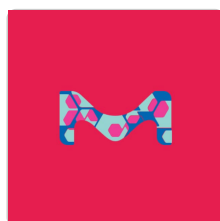
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

W1500

Whey from bovine milk
spray-dried

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ARTICLES REVUS PAR DES PAIRS

Utilization of medium-chain triglycerides by neonatal pigs: effects of emulsification and dose delivered.

T M Wieland et al.

Journal of animal science, 71(7), 1863-1868 (1993-07-01)

Four trials were conducted using 86, 24-h-old pigs to evaluate the utilization of medium-chain triglycerides (MCT). Effects of emulsification and amount of MCT fed were examined. After a 4-h period during which feed was withheld, pigs were force-fed MCT (containing

Effect of co-solute and gelation temperature on milk protein and gum tragacanth interaction in acidified gels.

Masoud Hatami et al.

International journal of biological macromolecules, 50(4), 1109-1115 (2012-03-13)

The aim of this study was to investigate the role of process conditions and system composition on the acid-induced gelation of a mixture of milk protein and gum tragacanth. This was studied by determining the effects of co-solute (lactose) addition

Solution properties of targacanthin (water-soluble part of gum tragacanth exudate from *Astragalus gossypinus*).

Mohammad Amin Mohammadifar et al.

International journal of biological macromolecules, 38(1), 31-39 (2006-02-14)

Solution properties of targacanthin (the water-soluble part of gum tragacanth) were studied by gel permeation chromatography (GPC) combined with multi-angle light scattering and viscometry at 25 degrees C. Photon correlation spectroscopy was used to determine the hydrodynamic radius. Ultrasonic degradation

Texture of low-fat Iranian White cheese as influenced by gum tragacanth as a fat replacer.

J Rahimi et al.

Journal of dairy science, 90(9), 4058-4070 (2007-08-19)

The effect of different concentrations of gum tragacanth on the textural characteristics of low-fat Iranian White cheese was studied during ripening. A batch of full-fat and 5 batches of low-fat Iranian White cheeses with different gum tragacanth concentrations (without gum

Lack of carcinogenicity of tragacanth gum in B6C3F1 mice.

A Hagiwara et al.

Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association, 30(8), 673-679 (1992-08-01)

Tragacanth gum was administered at dietary levels of 0 (control), 1.25 and 5.0% to groups of 50 male and 50 female B6C3F1 mice for 96 wk after which all animals were maintained on a basal diet without tragacanth gum for

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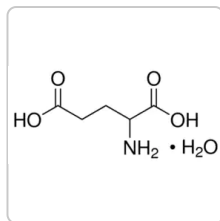
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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

G1126

DL-Glutamic acid monohydrate

≥98% (HPLC)

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