Cheapening additives

What additives make certain products so cheep?How they affect your health?

The target of my research is to find out what is staying behind the cheap price of marshmallows and other products

Petr Petrov 10th grade School 204 St Petersburg 2019

Old marshmallows

Marshmallow, most likely, first emerged as a drug, since it was made on the basis of the root extract of the Althea medicinal plant, which was used as a remedy for sore throat. In the 19th century, French candy makers introduced several innovations to the recipe for making sweets, bringing this confectionary closer to the modern look marshmallow.But this is old marshmalows. What is situation looks like now in 21st century



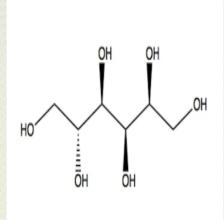
I picked up random pack of cheep little marsmallows . And found out--- Today's modern marshmallows contain no parts of the marshmallow plant though as you can see. Instead, modern marshmallows are primarily a mix. Three ingredients: sugar, corn syrup, and gelatin, with the gelatin replacing the thick, gluey substance from the marshmallow plant. The sugar and corn syrup are heated together with a little water to make a solution.

ICI No.		Trans Fat /Stade trans Ug
	29	Syrup, Sugar Water Daytman Sorbitol (E420): 1 Transport Colesterol Omg
iles (lípidos)	Og	Gelatin, Modified Com Starch, Vanilla Artificial Sodium / Sodio 15mg
100 (- 9	Gelatin, Modified Com Starch, Vanilla Artificial Flavour, Tetrasodium Pyrophosphate (E 450iii Whipping Aid) INCREPTION Simple Compared Mais, Carbohidrato Total 24g
les:	~	Main in totasodium Pyrophosphate La Laine Total Carbon Eibra Dietaria Ug
Irada	0 g	Sugar Study INGREDIENTS: Shop de 1201) Dietary riseras 179
nsaturada	Og	Sucre, Eau, Dextrose, Sorbitol (E420i), Gélatine, Farine de Maïs, Sorbitol (E420i), Gélatine, Farine de Maïs, Sorbitol (E420i), Sugars/Azucares 17g
oinsaturada	Og	
os trans	Og	
IOS UTALINS	oug	I ODELLATIL TAIDE) INCREDIENTES: GILCOSO, LUCIAMIN A / VILLATIONA
	0 mg	Açúcar, Água, Dextrose, Sorbitol (INS420i), Vitamin / Calcio 0%
		Açúcar, Água, Dextrose, Sorbitol (INS420i), Vitamin'/ Calcio 0% Elatina, Amido de milho modificado, Sabor Calcium/Calcio 0%
Carbono)	24 g	
Carbonney	~ 9	
95.		(INS 450iii agente de Firmeza). Состав: кукурузный сироп 51.54%, сахар Состав: кукурузный сироп 51.54%, сахар
	17 g	Состав: кукурузный сироп 51.54%, caxap dependiendo de sus necesidades careta
	Og	20.43%, вода 13.3%, желатин 5.4%, декстроза
-	15	
	15 mg	3.9%, сорбит (агент влагоудерживающий) Fat Total/Grasa total
	0%	J.270, MODINDOBAHHEIN KYKYPYShein Cat Fat/ Grasa Saturdua
	0%	трахмал (загуститель) 2.18%, ароматизатор Cholesterol/ Colesterol
		(заниль) 0.04%, тетрапирос эсфат натрия Sodium/Sodio
	0%	заниль) 0.04%, тетрапирос эсфат натрия Sodium/Sodio
	0%	(стабилизатор) 0.01%. Total Carbohydrate/Carbohidrato total
	and the second se	Dietary Fiber/Fibra Dietaria المكونك: شراب الذرة، ماه، سكر العنب، سورييتول، جيلاتين بقري،
ACGINGIOS CONGIL DASACIOS CIT		
s nutrimentales de referencia		Calories per am/Calorías por gramo:
ción mexicana co	onforme a la	hothad and a second
A1-2010.		Fat Grease (من اليوم قد تسبب الاسهال.) السورييتول على 40 غم في اليوم قد تسبب الاسهال.
ILANDOS / SOFT CANDY / MARSHMALLOWS		
HOUR PRIMELY REPORT		
1797 (Guater		caragua) E TU AMBIENTE
31797(Hone		Costa Rica), Red. Sen.
Contra Co		THUR CULLENT CLEAN

The Chemical Structure

Marshmallows are simply comprised of a sugar solution beaten together with a food gum, such as gelatin or xanthenes gum(also known as E415 it can harmful to your digestion system and u cant see it here but believe it is definitely in). Eggs are added to white a structure since they are able to hold large volumes of air, their addition allows for much lighter marshmallows. E420(sorbitol) sweetener thickener it also increase storage life drastically it can cause your cells to stop their work and in big amounts it also acts like laxative pill.E450(tetra sodium pyrophosphate) Their main purpose is to increase the volume of product, which in turn increases the mass of finished products. With increased use of the additive, calcium absorption is degrodated, as a result of which phosphorus and calcium are deposited in the kidneys, contributing to the development of osteoporosis.e1422 (modified starch)There is information that modified starches cause harm to the pancreas and can cause a dangerous disease - pancreonecrosis.





Θ pyrophosphate



E415 E420

E450

E1422



As we all know cheap products often meant to be bad and low quality in order to be cheap as possible for consumer and manufacturer. These marshmallows are made so cheap to be affordable to kids. Eventually kids end up with different specter of diseases .That is cheep trick of the producers of cheep marshmallows. You'd better evade cheep stuff because additives from marshmallows are quiet similar to the any another product and I mean ANY!

Same additives in different products

Продукты, содержащие добавку Е450



Бисквит

Транчетто

(Trancetto

«Balconi»)





Окорок

гусарский ТМ

«Луганские

деликатесы»



Торт «Стрела»

ТМ «Валенсия»

Колбаса

вареная

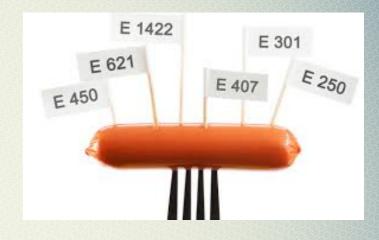
«Фирменная с

молоком» ТМ

«Мясная лавка»



Круассаны Колбаса ваниль-вишня вареная «7 Days» «Юбилейная»







Be aware

In conclusion I can say that every thing in our world have price .You really should have to know the exact price of a certain thing so you would be able to say instantly and without a doubt that price is too low or too high for a certain thing .Always be aware of what you are eating.

Look for exact prices

Check contents

Thanks for your attention.

I wish you'd never buy such products