# NAPi

## Pre- packaged Industrial Food/beverage Productswhat ingredients to look for identifying healthfulness

Dr. Arun Gupta MD (Ped), FIAP Convenor, Nutrition Advocacy in Public Interest (NAP*i*) Public Awareness Session organised by AIM 15 September 2024



**THE JUNK PUSH** Rising Ultra-processed Food Consumption in India -Policy, Politics and Reality

#### #EndTheJunkPush

# **Objectives**

- What are Industrial /Ultra processed food products or junk foods?
- What are the risks of increased consumption?
- How they are marketed/advertised to attract you?
- How to identify which are harmful ?
- What can you do?



#### We are talking about these pre-packaged foods Many names: Junk/HFSS/ Ultra-processed food products(UPFs)







# **Definitions of Junk Food**

#### JUNK FOOD( NIN)

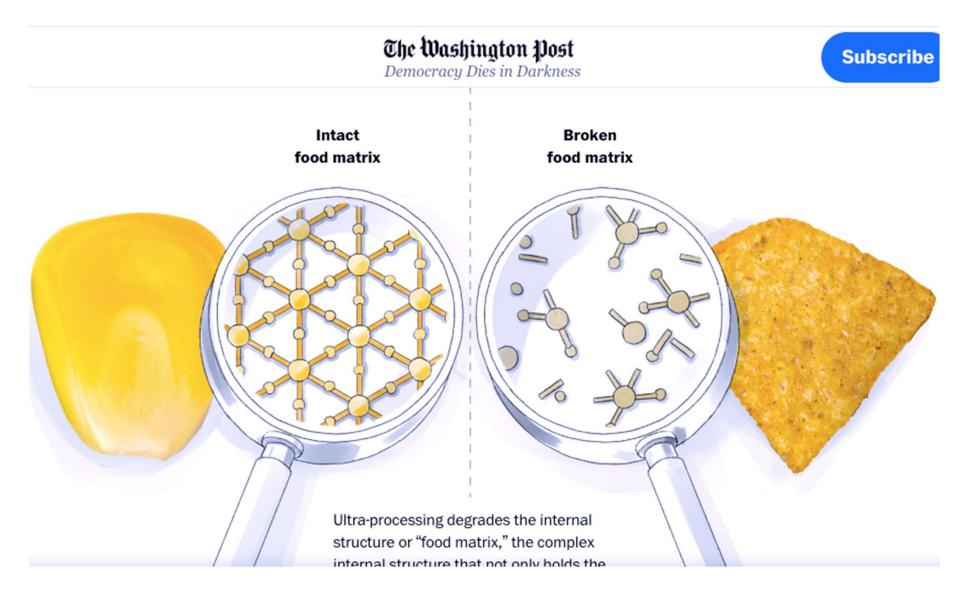
"Unhealthy (junk) foods are those containing little or no proteins, vitamins or minerals but are rich in salt, sugar, fats and are high in energy (calories). Some examples are chocolates, artificially flavoured aerated drinks, potato chips, ice creams, French fries etc.

#### **HFSS(FSSAI Draft notification)**

"High fat, sugar, and salt foods are a processed food product with high levels of saturated fat, total sugar, or sodium. The declared values of these ingredients are such that the product does not satisfy the value of energy (kcal) from total sugar less than 10% of total energy, or from saturated fat 10% of total energy, and sodium less than 1 mg/1 kcal."



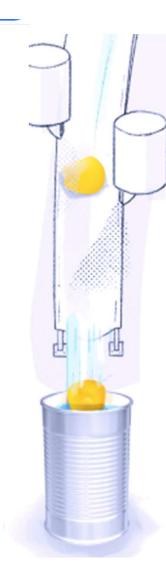
# **Corn and 2 types of processing**

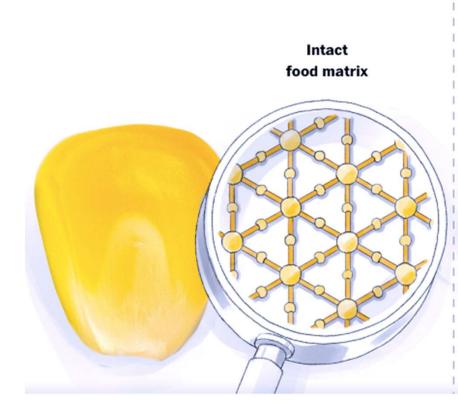




## **Corn : Processed**

The corn is cooked and soaked to absorb water.





Salt (and in some cases sugar) is added to the water and corn, and then it is canned.



## **Corn : Ultra-processed.**

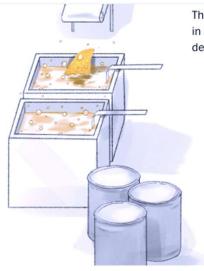
The corn is cooked and soaked to absorb water.



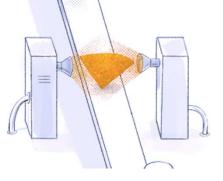
The dough is flattened and cut into chip shapes.



Next the corn is pulverized into a dough. Then it's fed into an extrusion machine and molded into sheets.



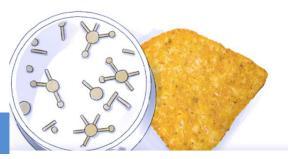
The chips are baked in an oven and then deep fried. Finally the chips are coated with cheese, salt, monosodium glutamate, sugar and artificial colors.

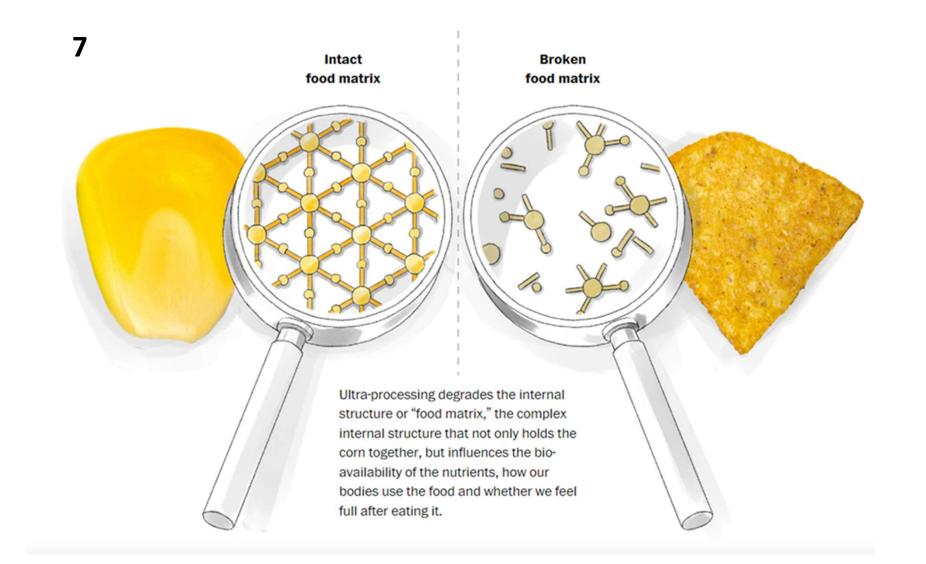


A variety of spices and flavor enhancers are added before the chips are bagged.



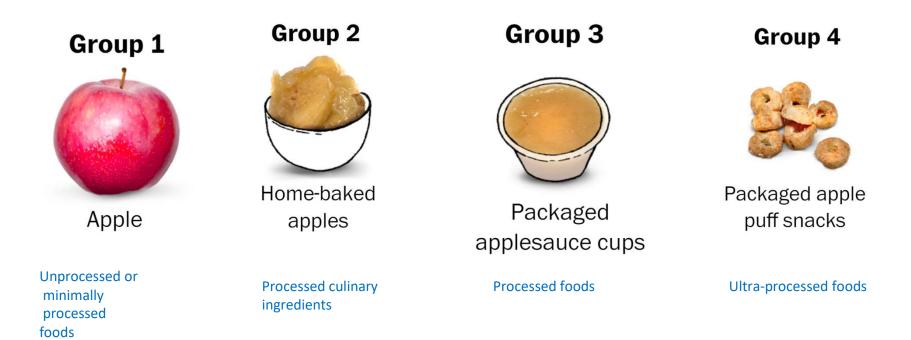
Broken food matrix





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# **Apples**





### Potatos From to Farm to the Packet!









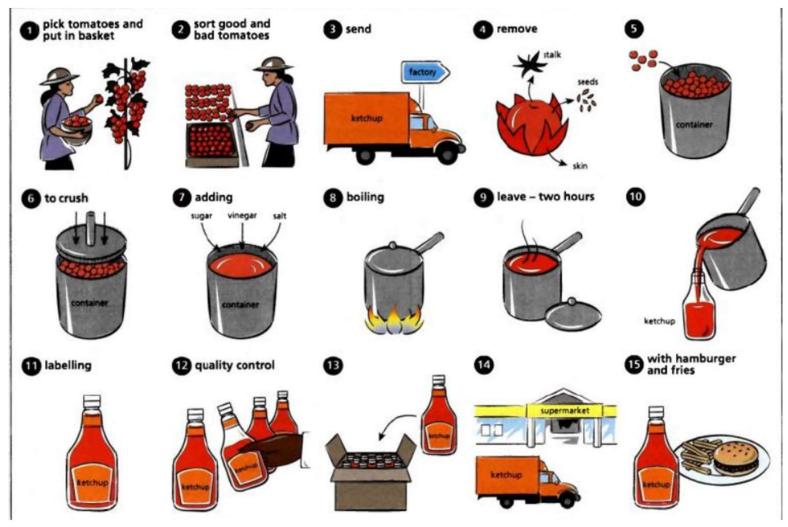


Biscuits with sugar, sodium, fat preservatives, colouring agents, emulsifiers and other additives



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### **Tomatoes**



Source : https://www.ieltstrainingtips.com/process-diagram-tomato-ketchup/



### WHAT ARE THE RISKS OF INCREASED CONSUMPTION?



# Why are Junk Foods harmful?

They're

- Ultra-processed.
- Addictive.
- High in refined flour (Maida)
- High sugar and saturated fats
- High in sodium.
- Full of cosmetic additives
- Ingredients are often low-quality
- High in inflammatory oils.

#### Health

#### • This article is more than 3 months old

#### Ultra-processed food linked to 32 harmful effects to health, review finds

World's largest review finds direct associations with higher risks of cancer, heart disease and early death



Wed 28 Feb 2024 23.30 GMT





Eating higher levels of ultra-processed food may shorten lifespans by more than 10%, according to a new, unpublished study of over 500,000 people whom researchers followed for nearly three decades

fife better Food

#### Health

#### Ultra-processed foods need tobacco-style warnings, says scientist

UPFs should also be heavily taxed due to impact on health and mortality, says scientist who coined term

Andrew Gregory Health editor Thu 27 Jun 2024 04.01 BST

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NUTRITION ADVOCACY IN PUBLIC INTEREST - INDIA

#### These ultraprocessed foods may shorten your life, study says

Mindfulness

Relationships

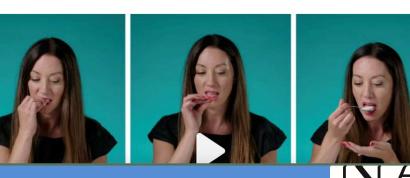
By Sandee LaMotte, CNN

5 minute read · Updated 12:41 PM EDT, Tue July 2, 2024

Fitness

Food Sleep

f X 🛛 👁



### HOW THESE ARE MARKETED?





Real Litchi Juice: Dabur India Limited (Juices)



#### Projecting to be healthy



Times of India: 5 April, 2024



Claims to contain 100 percent atta, zero maida bread but contains only 53% atta(wheat flour)

#### CONCEALING IMPORTANT INFORMATION

ADDED SUGAR 3.4 G /100 G

SODIUM 363 MG /100 G

100% Atta Bread: Harvest Gold (Bread and ordinary bakery wares)

#### Contains only 53%wheat flour

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## **Conceal important information**

#### Manipulating through celebrity behaviour





SODIUM



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Hindustan Times: 16, 23 & 26 June, 2024 Delhi Times: 27 June, 2024 Americana Coconut cookies: Bonn (Fine bakery wares)

## **Emotional exploitation..**

66 =

#### Using comedy n humour...



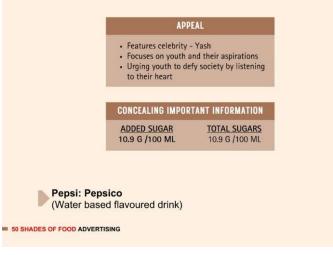
Accessed on: 24 June, 2024 https://youtu.be/qOLqWE3UGrQ?feature=shared



## Evoking emotions of rebellion



Accessed on: 24 June, 2024 https://youtu.be/VWIBFdoRN6Y?feature=shared



68 💻

## **Deception...**

## Enticing with fun and mangoes



Accessed on: 24 June, 2024 https://youtu.be/t3yBsR4FTGw?feature=shared

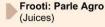
#### APPEAL

 Features celebrity - Alia Bhatt
 Advertisement is infused with taste of fun and Xuberance while keeping the essence "Mango fruity fresh and juicy"
 Use of animated cartoon such as "yeti" to attract people

CONCEALING IMPORTANT INFORMATION

 TOTAL SUGARS
 ADDED SUGAR

 15.6 G /100 ML
 14.2 G /100 ML



50 SHADES OF FOOD ADVERTISING

64 💻

#### Projecting to be healthy



Accessed on: 24 June, 2024 https://youtu.be/LdoaJkU7x-c?feature=shared

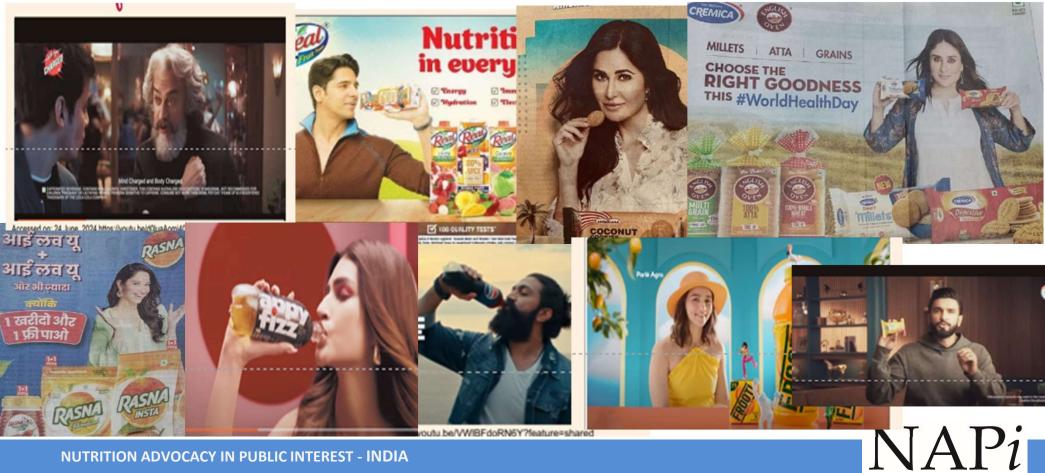


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# **Celebrity Endorsement**

23 out of 50 advertisements used celebrity influence for marketing the products.



## HOW TO IDENTIFY WHICH ARE HARMFUL?



## **Processed vs Ultra processed Foods**

# Processed (Healthy, least harmful)

- Canned beans, vegetables
- pre-cut fruit
- Cheese
- Canned fish,
- Fruits in syrup,
- Local bakery bread
- Plain yogurt

Foods that have been canned, frozen, chopped, pasteurized, or dehydrated as processed.

# Ultra-processed( Unhealthy always harmful

- ready-to-eat meals,
- chips,
- cookies,
- hot dogs,
- Juices
- Cold drinks,
- sugary cereal,
- fast food burgers and fries.
- Mass produced breads
- Sweetened Yogurts

#### Examples of Processed vs UPF or Healthy vs Unhealthy ....Curd V/S Flavoured Yogurt



#### **Real Corn V/S Packaged Corn Flakes and Chips**



#### **Commercial Bread V/S Home made or local bakery Breads/Rotis**

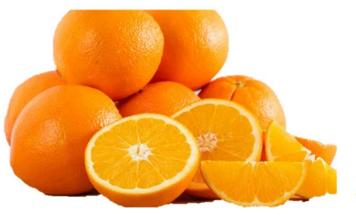








#### **Orange V/S Tang**











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# Consumers Struggle to Understand the harmful nutrient content



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# Struggle to Understand the harmful nutrient content



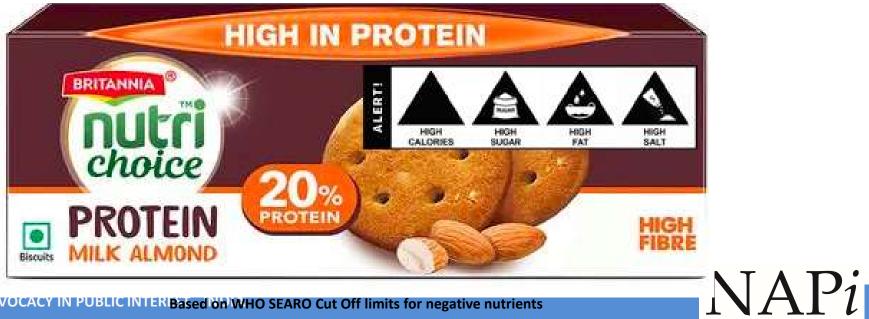
ENERGY	pprox.) 479 kca		
PROTEIN	5.9 9		
CARBOHYDRATE	73.4 9		
OF WHICH SUGARS	32.2 g		
FAT	18.0 g		
SATURATED FAT	9.4 9		
TRANS FAT	0 9		





# Can you pick up any pre-packaged food/beverage product at home?





NUTRITION ADVOCACY IN PUBLIC INTERBased on WHO SEARO Cut Off limits for negative nutrients

# How to Identify UPF/Junk Foods: Check ingredient that you cant find in your domestic kitchen



INGREDIENTS: WHEAT FLOUR (ATTA) (43%), RÉFINED PALM OIL, SOY PROTEIN ISOLATE (16%), SUGAR, ALMONDS (4.3%), SWEETENERS [965(i) & ( MILK PRODUCTS (2.5%) [SWEETENED CONDENSED MILK & MILK SOLIDS], OATS FIBRE, RAISING AGENTS [503(ii) & 500(ii)], FLAVOURS (NATURE NATURE IDENTICAL FLAVOURING SUBSTANCES), EMULSIFIERS [322(i), 471 & 472e], IODISED SALT AND DOUGH CONDITIONER (223). (Numbers in brackets as per International Numbering System) CONTAINS WHEAT, SOYA, MILK, NUTS, OATS AND SULPHITE. STORE IN A COOL, HYGIENIC AND DRY PLACE. TRANSFER CONTENTS TO A CLEAN AIRTIGHT CONTAINER ONCE OPENED.

NAP1

#### Chips

INGREDIENTS: RICE GRITS, SEASONING (REFINED PALMOLEIN, SUGAR, \*SPICES MALE INGREDIENTS: NODIZED SALT, NATURE IDENTICAL FLAVOURING SUBSTANCE CONDIMENTS, IODIZED SALT, NATURE IDENTICAL FLAVOURING SUBSTANCE HYDROLYZED VEGETABLE PROTEIN AND NATURAL FLAVOURING SUBSTANCE FLAVOURING SUBSTANCES), REFINED PALMOLEIN, DEGERMED CONDIMINATION BENGAL GRAM GRITS. \*USED AS FLAVOURING AGENTS.

## High in Sodium -719.8 mg/ 70 grams

your Favour	rite M	lasala Taste	
		220	TRULY GOOD
	<u>S</u>		Made with choicest quality spices
		CO SUSSESS	with Goodness of
and the second	-5-7	00000	
De-	serve is <b>70 g</b>	Energy Total Fat Saturated Fat Istal Sugars Sod 269 kcal 130 130 290 10 10 10 10 10 10 10 10 10 10 10 10 10	
	10 9	% of Guideline Daily Amounts of a average adult (2000 kcal)	Instant Noodles with Seasoning*

Nutrition Information*	Per 100g	Per Serve	%GDA <sup>#</sup> Per Serve
Energy (kcal)	384	269	13%
Protein (g)	8.2	5.7	11%
Carbohydrate (g)	59.6	41.7	16%
-Total Sugars (g)	1.8	1.3	1%
-Added Sugars (g)	1.3	0.9	
Total Fat (g)	12.5	8.8	13%
-Saturated Fat (g) (not more than)	8.2	5.7	29%
-Trans Fat (g) (not more than)	0.13	0.09	
Sodium (mg)	1028.3	719.8	30%
South (hig)	1028.3	/19.8	%RDA" Per Serve
'Iron (mg)	6.90	4.85	16%

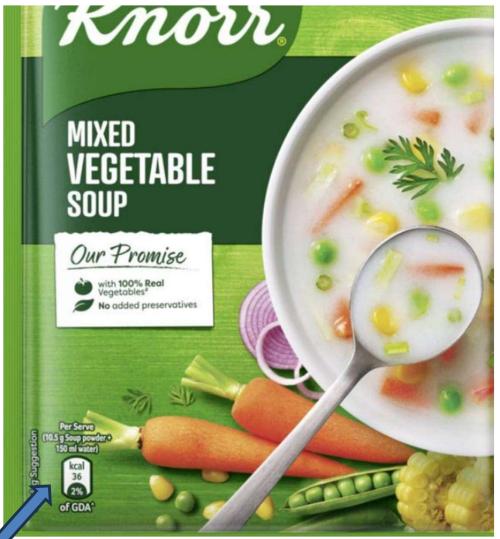
#Guideline Daily Amounts of an average adult (2000 kcal). Pack contains 6 serves.

Per serve contribution to RDA - 13% energy, 2% added sugar, 13% total fat, 26% saturated fat, 5% trans fat and 36% sodium, «One serve (70 g) of MAGGI Masala Noodles meets 16% Iron RDA for sedentary adults and 15% Iron RDA for 16-17 year old teenagers (ICMR , 2020)





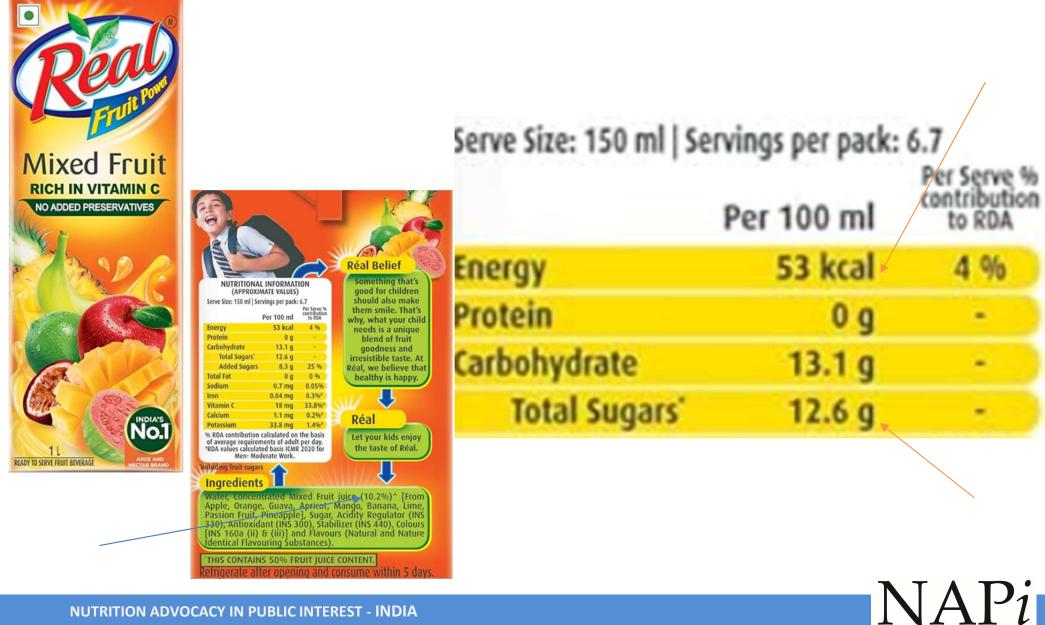
# High in Sodium-Approx 400 mg/10grams



Nutritional Information (Typical Values)	Per 100 g product	Per Serve of cooked dish" (160.5 g)	% GDA*/ Serve of cooked dish*	47590	
Energy (kcal)	344	36	2	39 ==	-
Protein (g)	11.4	1.2	1000		
Carbohydrates (g)	68.2	7.2		-	
Total Sugar (g)	22	2.3	3	=	
Dietary fibre (g)	7	0.7	1		
Total Fat (g)	2.8	0.3	<1		_
Saturated Fat (g)	13	0.1	1		
Trans Fat (g)	0.03	Troce			
Sodium (mg)	4040	424	18	-	-



### Real Juice 18.9 gram per serve /150 ml





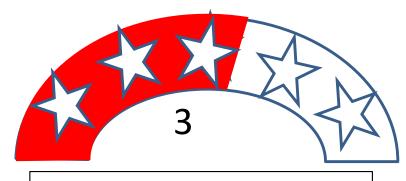
WHO SEARO Cut Off limits for negative nutrients

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#### Kellogs cornflakes original breakfast cereal





**Indian Nutrition Rating** 

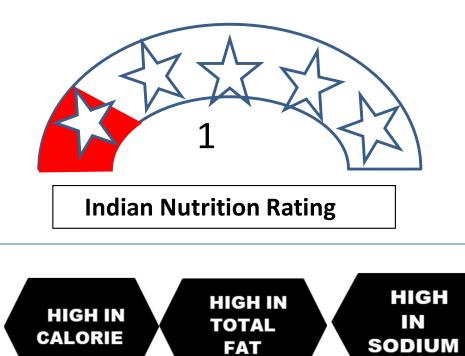


As per WHO SEARO Cut Off limits for negative nutrients



#### **Kurkure Masala Munch**

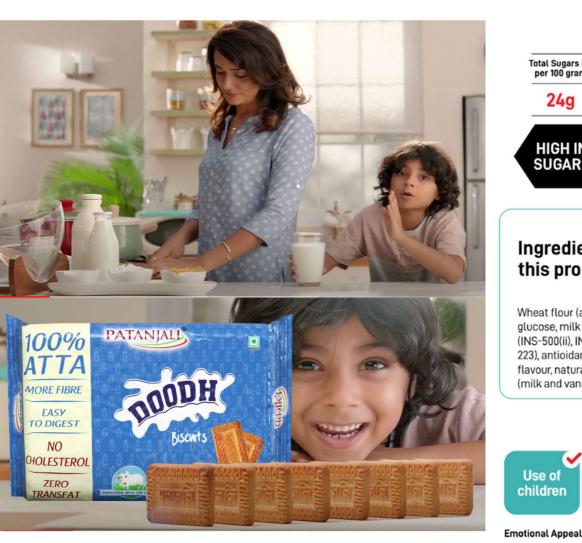




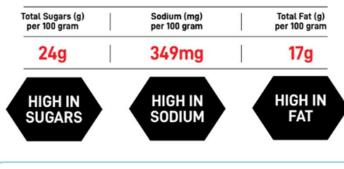
As per WHO SEARO Cut Off limits for negative nutrients



#### Dhoodh Atta Biscuit by Patanjali



#### Health Risk Factors



#### Ingredients that makes this product an UPF

**Health Claims** 

Wheat flour (atta-58.6%), edible vegetable oil (palm), sugar, liquid glucose, milk solids (1.7%), edible common salt, leavening agents (INS-500(ii), INS 503 (ii), INS-341(i)), cheese dough conditioner (INS 223), antioidant (INS 319), Emulsifier (INS 322(i), contains added flavour, natural, nature identical artificial flavouring substances (milk and vanilla)

#### **Marketing Tactics**



#### Happiness

Easy to digest and contains fiber, vitamins and minerals that is the perfect choice for health.

Ultra-

Processed

Food Product/

UPF



#### WHY MISLEADING?

- According to Consumer Protection Act (2019) Section 2 (28) (iv) the advertisement deliberately conceals important Information i.e; High Total Sugars, High Sodium, High Total Fat.
  - According to Food Safety and Standards Act (2006) Section 53(b) the advertisement misleads about the nature of the biscuit by claiming 100% wheat whereas the ingredients list has only 58.6% wheat flour. Also, exaggerate the features of the product by claiming "Milk biscuit" whereas the milk solid ingredient is only 1.7%.

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## WHAT CAN YOU DO?



## Steps...

- Reduce if you are using these
- Avoid any advertised food product
- Share the information with your family/friends
- Check the nutrition information before you buy
- Check the ingredient list before you buy
- Report to us if you see a misleading ad.
- Complain to Consumer Protection Authority, MIB, Press Council, FSSAI if you see any misleading advertisement.
- Contact NAPi <u>https://www.napiindia.in/</u>

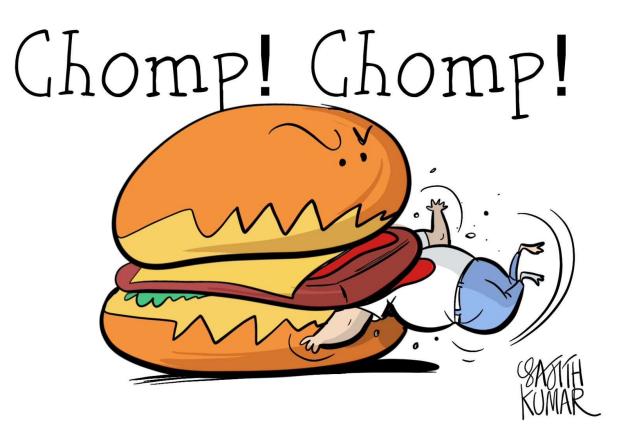


# **Healthy Alternatives**

- Home cooked snacks and meals
- Real unpacked foods
- Use of diverse whole grains
- Fruits and vegetables
- Nuts
- Traditional drinks
- Things that are not advertised







### Thank you !!!

# #EndTheJunkPush #WhoIsEatingWhom



# #EndTheJunkPush



**THANK YOU !** 



# Unseen dangers of ultra-processed foods in 13 languages. https://napiindia.in/unseen-dangers



अति—संसाधित (अल्ट्रा—प्रोसेस्ड) खाद्य पदार्थों के अदृश्य खतरे

અલ્ટ્રા પ્રોસેસ્ડ આહારના અજાણ્યા જોખમો: अति प्रक्रिया केलेल्या खाद्यपदार्थांचे न दिसणारे धोके







#### Lets change our birthday celebrations !





