



Polish Institute  
of Halal  
“Pure Halal for pure life”

# Halal Standards Around the Globe: A Comparative Study



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# Outline



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Why Halal is important?

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# What is Halal Food?



Halal food is any food that are **is permitted** for consumption by Muslims, while Haram is the opposite.

حلال

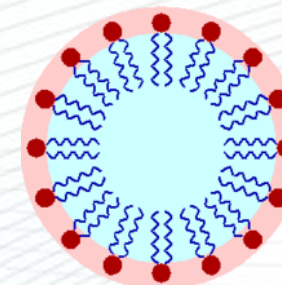
## General Principle

**All things are permitted** for consumption by Muslims, **except** what are specifically **prohibited**

# Halal and Haram foods in practice



chicken, turkey,  
beef,  
lamb/mutton



Pork and its  
derivatives,  
alcoholic beverages,  
narcotics

## Halal

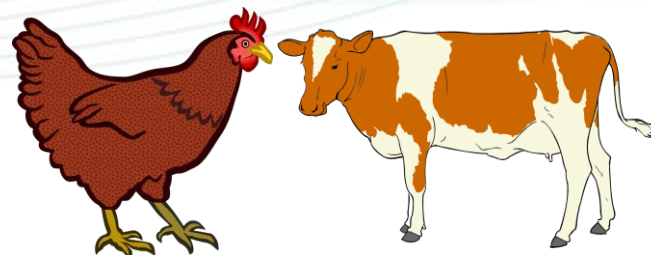


Fruits and vegetables,  
Fish and Seafood (Fresh),  
Milk and Eggs, if there is  
processing (check the  
additives and  
contamination during  
processing)

## Halal



with proper  
slaughtering



## Doubtful

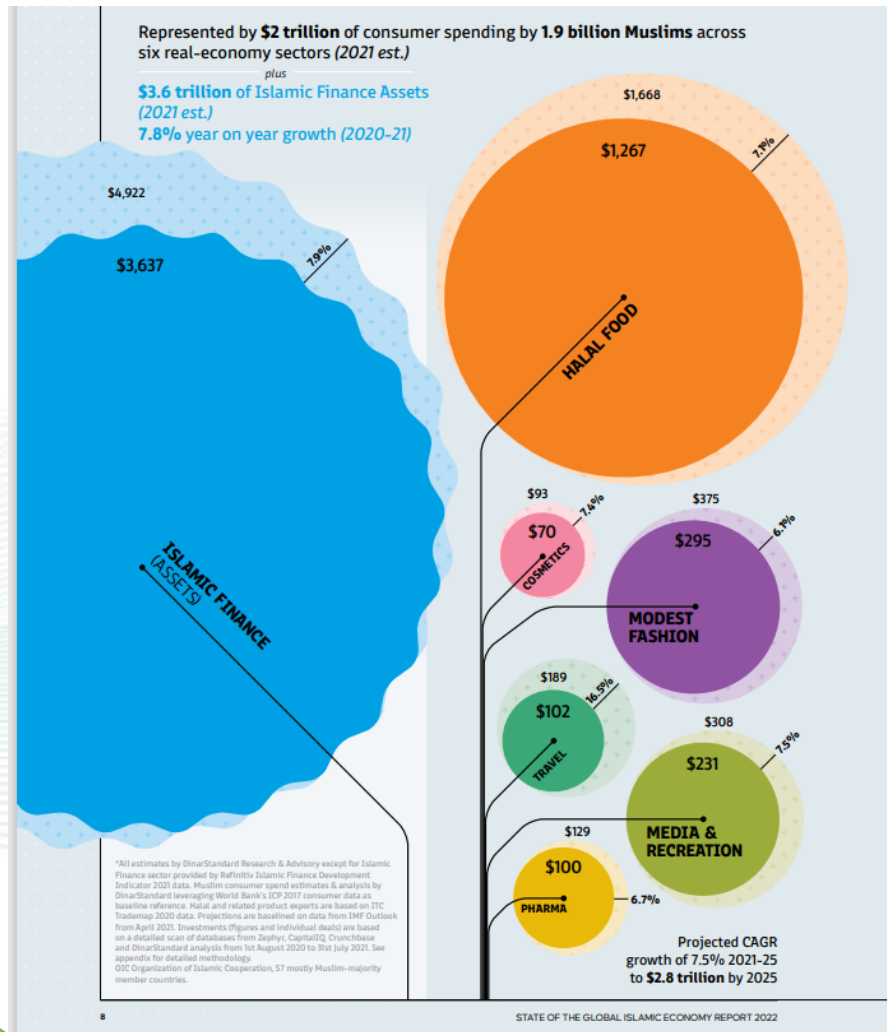


gelatin, emulsifier  
(e471, e472,...),  
stabilator, flavor,  
colorant. (depend on  
the source)



## Haram

# Why Halal is important?



Halal food market in 2021 is \$ 1267 billion which is above **15 times** of Tesla's revenue

About 72,600,000 results (0.71 seconds)

Tesla / Revenue

**81.46 billion USD**

2022



Tesla's total revenue for 2022 exceeded **\$81.4 billion**, a 51% YoY growth.



# Halal food production in Poland



Google

Halal food production poland



Notes From Poland

<https://notesfrompoland.com> › 2022/02/21 › poland-a... ⋮

## Poland among Europe's leaders in kosher and halal meat, ...

Feb 21, 2022 — Over the last decade, **Poland** has become a major producer of kosher and **halal meat**. Yet, with its tiny Jewish and **Muslim** communities, only a ...



Euro Meat News

<https://www.euromeatnews.com> › Article-Poland-stand... ⋮

## Poland stands as one of the EU' largest halal meat producer

Feb 22, 2023 — In 2020, **Poland** exported **meat** and **meat products** worth about €5 billion, of which almost a third was kosher and **halal meat**. "Poland, as one ...



# Ritual slaughter (including Halal) in Poland



40+ SLAUGHTERHOUSES



350.000 + EMPLOYEES



UP TO 1.7 BILLION USD  
ANNUALLY

# Standard and Halal Standard



- Standard is a document developed **by an authority** contains technical **specification** or/and requirement that **have to be complied** by a product(s) or service(s).
- ISO 9001, ISO 22000, FSSC 22000, etc
- Halal food standards refer to the set of dietary **guidelines** and regulations published by (most of the case) Muslim countries' **authority**, that **govern** the preparation, handling, and consumption of **food**

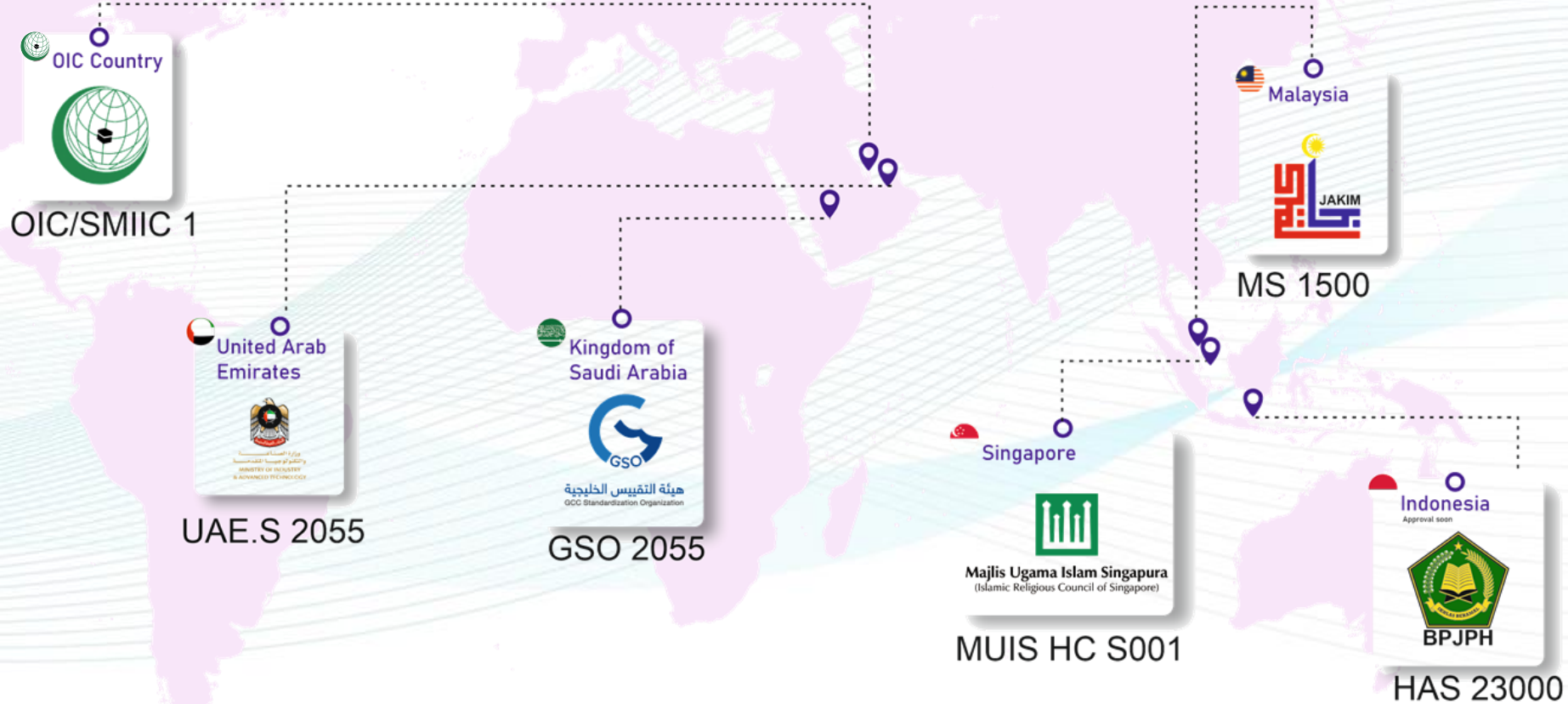


International  
Organization for  
Standardization

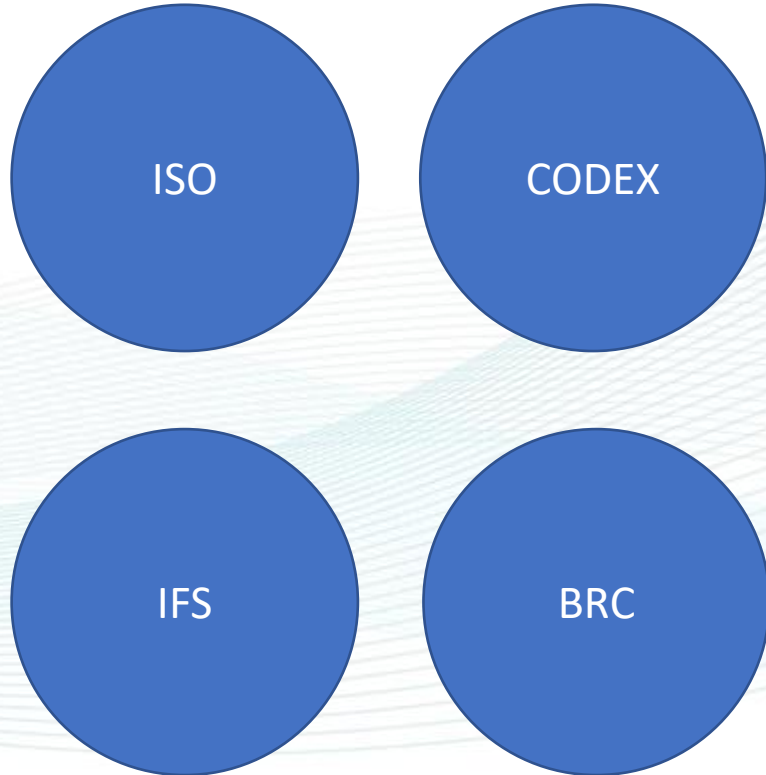




# Global Halal Standards



# Halal Standards issue



Global Food Standards



MS 1500 GSO 2055 OIC/SMIIC 1 HAS 23000 MUIS HC S001

Halal Food Standards

# Production plant and its cleaning

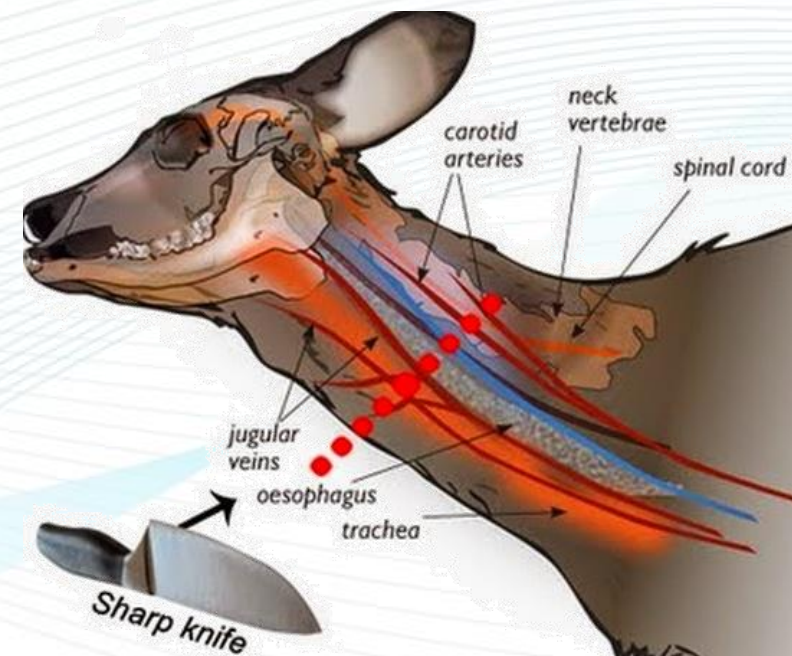


Requirements	MS 1500 [1]	GSO 2055 [2]	HAS 23000 [3]	MUIS HC S001 [4]	OIC/SMIIC 1 [1]
Halal product must be separated from non-Halal products	✓	✓	✓	✓	✓
All Halal products must be Halal tagged to be easily segregated	✓	✓	not mandatory	✓	✓
General cleaning is a must when transforming from non-Halal to Halal production	✓	✓	✓	✓	✓
Soil must be used to clean heavy najjis	✓	not required	not required	✓	✓
Shifting from non-Halal to Halal production is not allowed in regular basis	✓	✓	allowed if it is pork free	✓	✓
Chemical agents including cleaning substances, greases or fats shall not contain non-Halal materials	✓	✓	✓	✓	✓
Hygiene, sanitary and food safety are prerequisites in the Halal food production	✓	✓	✓	✓	✓
The production facility must be segregated and well insulated from pig farm or its processing	✓	✓	✓	✓	✓
Pest control program must be implemented	✓	not stipulated	not stipulated	not stipulated	not stipulated
Tools or elements of religious worship are not allowed in the production facility	✓	not stipulated	not stipulated	not stipulated	not stipulated
Muslim praying room must be available	✓	not stipulated	not stipulated	not stipulated	not stipulated

# Slaughtering



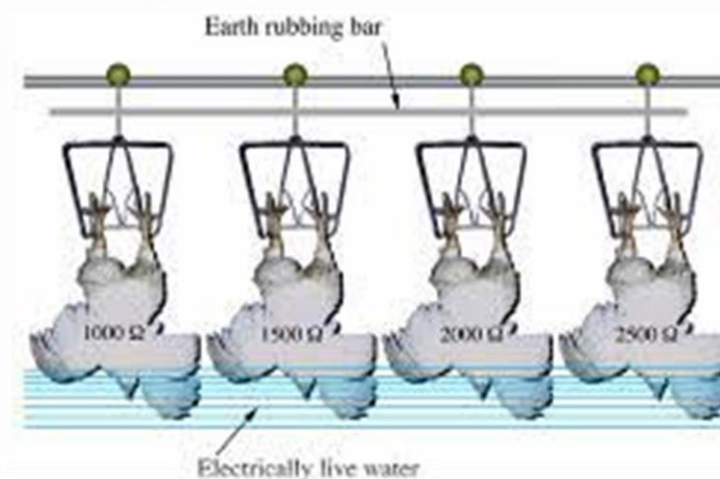
- Animal slaughtering is the act or process to kill animals to obtain meat and offal's for human consumption (Fuseini et al., 2016).
- To slaughter the animal, sticking (neck cutting) is carried out using sharp knife to sever major blood vessels involving the esophagus, two jugular veins and pharynx of the animal ensuring rapid and complete blood loss(Fuseini et al., 2016).



# Stunning



- Stunning is a method to make the animals unconscious with or without killing them to improve the efficiency of the slaughtering (Yardimci, 2019).
- Several studies mentioned that stunning might eliminate the fear or pain in the animal. However, this conclusion is still debatable since many researcher also against it and reported that stunning magnifies animal suffering and stress during slaughtering process (Nakyinsige, Fatimah, et al., 2014; Nakyinsige, Sazili, et al., 2014; Yardimci, 2019).

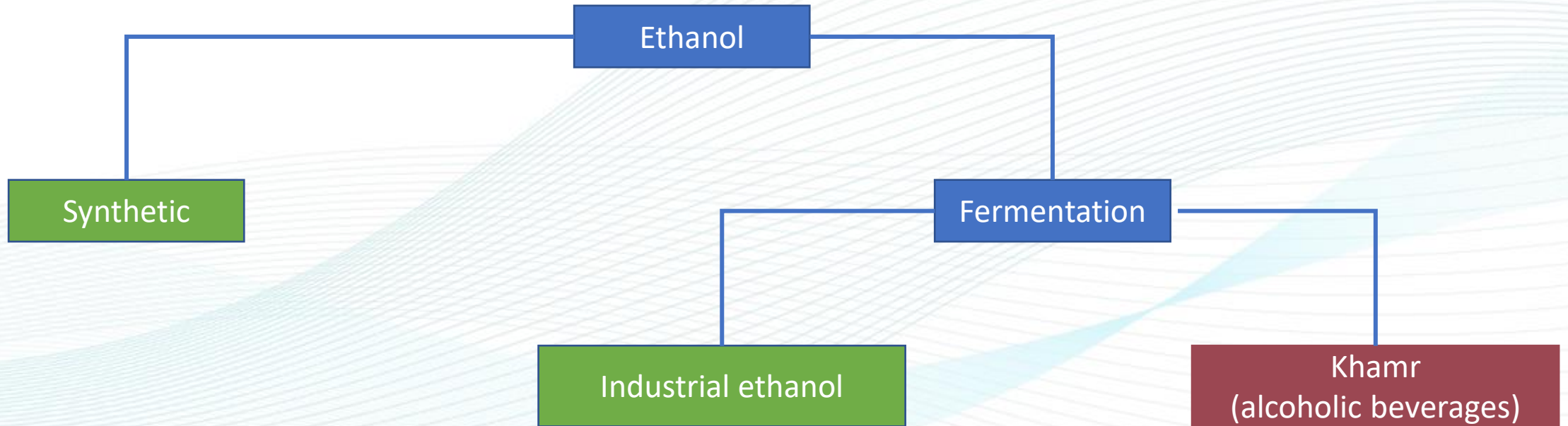



# Slaughtering

Requirements	MS 1500 (DSM, 2019)	UAE.S 993: 2022 (GSO, 2022)	GSO/UAE.S 993:2015 (GSO, 2015b)	HAS 23103 (LPPOM MUI, 2012)	MUIS HC S001 (MUIS, 2005)	OIC / SMIIC 1 (OIC/SMIIC, 2019)
Stunning is not recommended	not stipulated	✓	✓	not stipulated	not stipulated	✓
Stunning that results in death or heart stop of the animal is strictly forbidden	✓	✓	✓	✓	✓	✓
The stunning operator is preferably a Muslim	✓	X	X	X	✓	X
Stunning on poultry is not permitted	X	X	✓	X	X	X
The blood flow of the stunned animal should be monitored, if less than normal amount of blood observed the carcass is treated as non-Halal	X	✓	X	X	X	X
The Slaughtermen shall be Muslim	✓	X	X	✓	✓	✓
The bleeding period shall be at least 180 seconds	✓	X	X	✓	✓	✓



# Ethanol/Alcohol



 Halal in certain condition

 Haram



# Permissible alcohol/ethanol content



Criteria	HAS 23000	MS 1500	GSO 2538	MUIS HC S001
Beverages dedicated for khamr	Strictly prohibited	Strictly prohibited	Strictly prohibited	Strictly prohibited
Intentionally added non-khamr ethanol in food and beverages.	No limit and safe	<0.5%	Not allowed	Not allowed
Non-khamr beverages	<0.5%	<1%	<0.1%	0.1%
Unintentional alcohol	End product <0.5% for beverage and no limit for food if it is medically safe.	<1%	Depending on the products 0.02% - 1.00%	0.1%
Flavor and colorants	End product <0.5% for beverage and no limit for food if it is medically safe.	End product <0.5%	Depending on the products 0.02% - 1.00%	0.5%, end product 0.1%
Fermented dairy (solid/paste)	No limit if it is medically safe	<1%	<0.3%	0.1%





# The critical Halal point of vinegar



Halal Standard	Vinegar from khamr	Maximum ethanol concentration in vinegar
MS 1500	Halal with natural fermentation	1.0%
GSO 2538	Haram	0.5%, except grape vinegar 1.0%
HAS 23000	Halal	0.5%
MUIS HC S001	Haram	0.1%
OIC/SMIIC 1	Haram	Not determined

# Permissible Insects



Requirements	MS 1500 [1]	GSO 2055 [2]	HAS 23000 [3]	MUIS HC S001 [4]	OIC/SMIIC 1 [1]
Grasshopper	✓	✓	✓	✓	✓
Insects that are forbidden to be killed	✗	✗	✗	✗	✗
Poisonous insects	✗	✗	✗	✗	✗
Locust	✓	✓	✓	✓	✓
Nonpoisonous worm	✗	✗	✓	✗	✗
Nonpoisonous land carb	✓	✗	✓	✓	✗
Cochineal colorant (E120)	✓	✗	✓	✓	✗

# Conclusion



The increasing **demand** of the Halal products **drives** the food **manufacturer** to comply the Halal standards. However, there is **no single universal Halal standards** accepted worldwide. There are some specific differences of the requirements in each Halal standard which generates **confusion** to food manufacturers. Surprisingly, the **differences** between the Halal standards are not limited to non-principle requirements; rather, they extend **to fundamental criteria**, where one standard may **accept** something that another standard strictly **prohibit**. *There is a need to develop harmonized Halal standards in the future*