



# HALAL WATCH WORLD

THE **GOLD** STANDARD



## DOCUMENT SUBMISSION REPORT

Black Sheep Foods

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## COMPANY BACKGROUND

**Halal Watch World LLC** is a halal certification limited liability corporation based in the state of New York, and has operated in the certification industry since 1990. HWW is an organization that stands upon the trust of the Muslim public, and believes that it is imperative that their trust never be jeopardized. We maintain standards to the highest degree of scrutiny and perform regular audits for the protection of our constituents.

Halal Watch World understands that halal certification is a communal obligation (فرض كفاية), meaning, at least one person of the community must uphold it. If no one takes up this responsibility, the entire community bears a burden of sin. Therefore, we must be extra diligent with this effort. We realize the seriousness of the matter and understand the dire consequences of not filling this duty to the fullest capacity. God explains this to us in the Holy Quran by His statement:

***“ And say not concerning that which your tongue says falsely: 'This is Halal and this is Haram,' so as to invent lies against Allah. Verily, those who invent lies against Allah will never prosper...A passing brief enjoyment (will be theirs), but they will have a painful torment.”***

*[Al Quran] 16:116-117*

HWW ensures to the best of its ability a high level of authenticity is upheld. This allows them to gain the trust of the Muslim community, and garner strong relationships with companies who produce, process, and distribute halal products at all levels. By this, they are able to offer halal producing company's guidance and consultation on the direction of their processes and products, while ensuring that Islamic dietary standards are always maintained and monitored. Muslims can use this information in order to make well informed decisions about what they choose to eat.

**Legal Filings:** Halal Watch World holds registered trademark number 4728733, and Department of State (New York) number 4814343. Halal Watch World is also a registered halal certifying organization with The Department of Agriculture and Markets of New York State (See supporting documentation).

We begin in the name of God SWT



## CERTIFICATION CONSIDERATIONS

There are 4 main factors taken into consideration when determining the halal status of a product:

### **1. Is the product/ingredient Halal Aslan (by default)?**

If the product is Halal by default, then there will be no ingredient investigation conducted. An audit of the HPF (Halal Product Facility), facility related documents and product identification documentation will however, still be required.

### **2. Is the product/ingredient Halal certified via another organization?**

If another organization certifies the product as Halal, then it is incumbent upon us to perform a *tahqeeq* (verification) certification of the establishment. We must be able to ascertain that the certifying body is competent and capable of determining the status of such products. In the event that we are unable to gain this information, our organization must inspect the location of production before certifying.

### **3. What is the Risk Assessment of the Facility?**

Each HPF (Halal Product Facility) must be assessed and assigned an appropriate level of risk. Each facility is graded according to assessed risk. As risk increases, guidelines,

restrictions, and measures become more stringent. Risk is determined according to the products present in the facility, product and process management, and the equipment utilized for processing. Any product/s made with or derived from the items mentioned below would be considered Haram:

1. Human derived ingredients
2. Pork
3. Donkey (excluding the Onager)
4. Animals with fangs or talons (Carnivorous)  
(Excluding Hyena and Fox according to school of thought)
5. Animals not slaughtered according to Islamic ritual rites
6. Carrion
7. All forms of filth (Najis) i.e. Urine, Excrement, Blood, Pus, Vomit, etc
8. Insects (other than locusts)
9. Animals fed with more than 50% of any of the above without being fed on a pure diet for a stipulated number of days (The Jallaalah)
10. Any intoxicants
11. Anything toxic or harmful to the body (such as cigarettes)
12. Anything processed, made, produced, manufactured, and/or stored using utensils, equipment, and/or machinery in contact with any of the above that have not been cleansed according to standards which remove contaminants.

HiRF: High Risk Facility

Any facility that utilizes item/s listed above or a derivative thereof within the HPF and processes both halal and haram products using indifferent tools, machinery, or utensils. Thus, HiRF's by nature involve contaminants in some way in its processing.

MeRF: Medium Risk Facility

Any facility that processes both halal and haram products using segregated tools, machinery, or utensils to the exclusion of items listed above. Facilities that process any of these items, even if segregation methods are employed, are to be deemed HiRF's.

LoRF: Low Risk Facility

Any facility that does not process haram products on or inside of the premises.

As mentioned earlier, in relation to each risk level there are guidelines, restrictions and measures in place for the avoidance of contamination. Before any facility or any product made in said facility can be considered Halal suitable or certified Halal, these guidelines will have to be strictly adhered to.

Regarding contamination, products cannot be cooked upon or within the same utensils without proper cleansing. This means that any liquid substance that interacts with non-halal products becomes contaminated. This includes oil, and other wet cooking surfaces. Thus, if a vat of oil is used to cook non-halal products (which is considered as filth), it cannot be used to cook Halal products without contaminating it.

#### **4. Are there any contents in the product that contain impermissible ingredients?**

We refer to the list of impermissible consumables on the previous pages. If the product under audit is found to contain any of the ingredients on the ban list, these products cannot be considered as halal, unless said ingredients are replaced with halal suitable alternatives.

## **Client Details: Black Sheep Foods**

### **FACILITY PROFILE**

Meet Black Sheep Foods. Tastier meats, made from plants. We obsessively studied animal meat. Only the tastiest, juiciest, and richest in flavor. We got to know their molecular building blocks. Then found their biological plant twins.

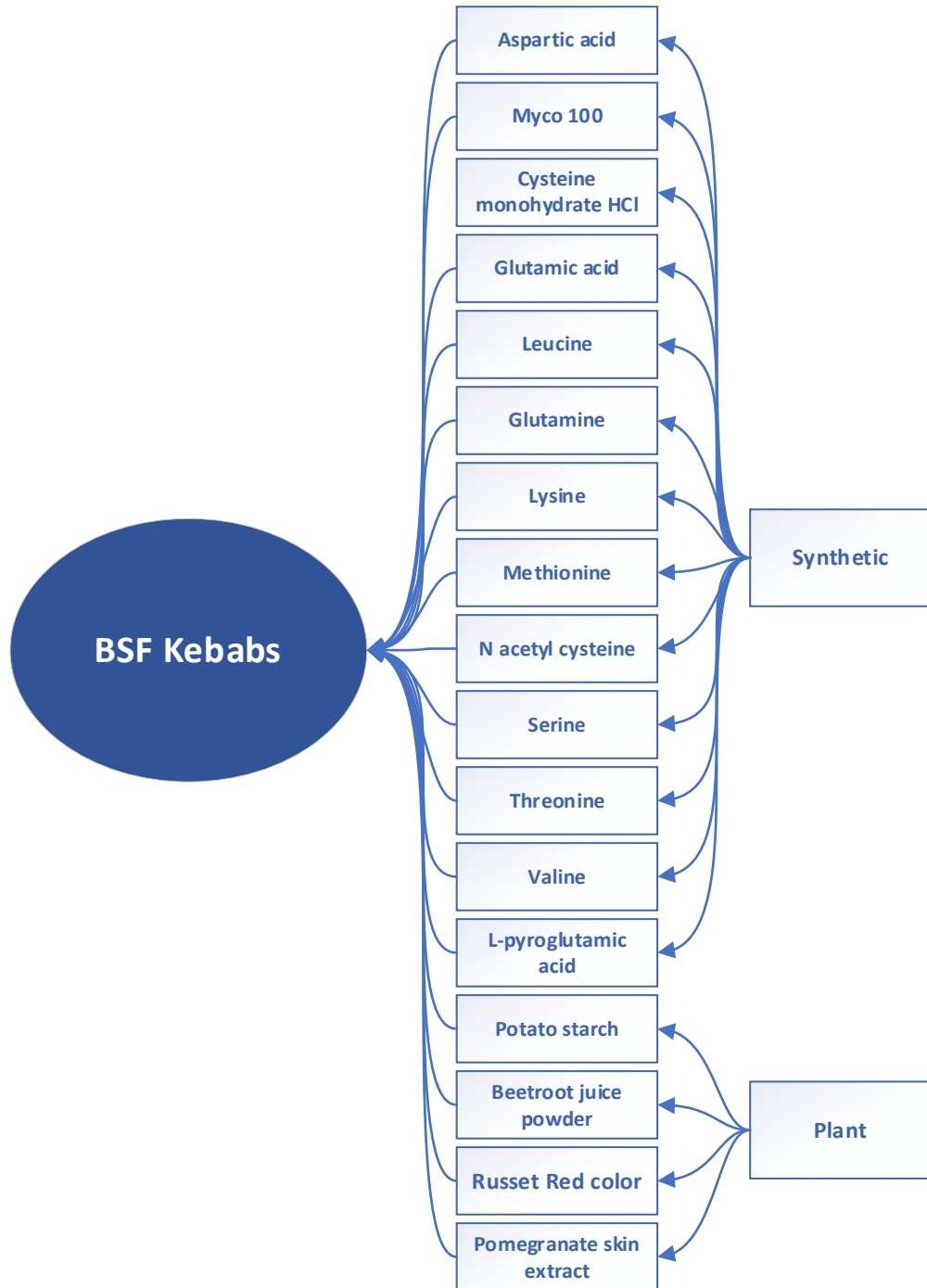
<b>Client Details</b>	
<b>GENERAL INFORMATION</b>	
Product Type:	Refined Foods
Total Number of Products:	5
Total Number of Ingredients:	42
<b>SUPPLIER OVERVIEW</b>	
Supplier1:	Parchem
Supplier2:	Emsland America Inc
Supplier3:	Myco Technology
Supplier4:	NP Nutra
Supplier5:	DDW
Supplier6:	NatureX
Supplier7:	Aromiens
Supplier8:	Cellmark
Supplier9:	Mayschem
Supplier10:	ADM
Supplier11:	Kalsec
Supplier12:	Tylopur
Supplier13:	Paz ingredients
Supplier14:	Puris
Supplier15:	IMCD
Supplier16:	Creafill
Supplier17:	Belle Chemicals
Supplier18:	AAK
Supplier19:	Barry Callebaut
Supplier20:	International spices
Supplier21:	CA spice basket
Supplier22:	San Francisco Salt Company
Supplier23:	Mayschem (Palm Oleo Sdn Bhd)
Supplier24:	Mayschem (Nu-Tek Natural Ingredients)

## **PRODUCT INFORMATION**

<b>Product name</b>	<b>Client product #</b>	<b>HWW Product ID</b>
BSF Kebabs	BSF-BKB003	MR181_RM601
BSF ground (bricks)	BSF-GRB003	MR181_RM600
Oren's Kebabs	BSF-OKB003	MR181_RM599
Souvla Cubes	BSF-CU002	MR181_RM598
BSF Burgers	BSF-4BUR003	MR181_RM573

## **PRODUCT PROFILE**

## BSF Kebabs



### **BSF Kebabs**

Plant based lamb meat.

### Ingredient Status

Potato starch: – **Halal** (Aslan) [Potato starch is starch extracted from potatoes. The cells of the root tubers of the potato plant contain leucoplasts. To extract the starch, the potatoes are crushed, and the starch grains are released from the destroyed cells.]

5009 ClearIQ™ Absolute Flavor C100 (Myco 100): – **Halal** (Aslan) [ClearIQ™ natural flavor modulation tools, help decrease the perception of metallic, bitter, sour, astringent, and other general off-notes found in many food and drink products.]

Beetroot juice powder: – **Halal** (Aslan) [The beetroot is the taproot portion of a beet plant, usually known in North America as beets while the vegetable is referred to as beetroot in British English, and also known as the table beet, garden beet, red beet, dinner beet or golden beet.]

Pomegranate skin extract: – **Halal** (Aslan) [ The pomegranate is a fruit-bearing deciduous shrub in the family Lythraceae, subfamily Punicoideae, that grows between 5 and 10 m tall. The pomegranate was originally described throughout the Mediterranean region.]

Aspartic acid: – **Halal** (Aslan) [ Aspartic acid, is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. Like all other amino acids, it contains an amino group and a carboxylic acid.]

Cysteine Monohydrate HCl: – **Halal** (Aslan) [ L-Cysteine hydrochloride monohydrate is used as a precursor in food, pharmaceutical and personal care products. It is actively involved in the production of flavors such as meat flavor obtained by reacting with sugars.]

Glutamic acid: – **Halal** (Aslan) [ Glutamic acid is an  $\alpha$ -amino acid that is used by almost all living beings in the biosynthesis of proteins. It is a non-essential nutrient for humans, meaning that the human body can synthesize enough for its use. It is also the most abundant excitatory neurotransmitter in the vertebrate nervous system.]

Glutamine: – **Halal** (Aslan) [ Glutamine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. Its side chain is similar to that of glutamic acid, except the carboxylic acid group is replaced by an amide. It is classified as a charge-neutral, polar amino acid.]

Leucine: – **Halal** (Aslan) [ Leucine is an essential amino acid that is used in the biosynthesis of proteins. Leucine is an  $\alpha$ -amino acid, meaning it contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain isobutyl group, making it a non-polar aliphatic amino acid.]

Lysine: – **Halal** (Aslan) [ Lysine is an  $\alpha$ -amino acid that is a precursor to many proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain

lysyl, classifying it as a basic, charged, aliphatic amino acid. It is encoded by the codons AAA and AAG.]

Methionine: – **Halal** (Aslan) [Methionine is an essential amino acid in humans. As the precursor of other amino acids such as cysteine and taurine, versatile compounds such as SAM-e, and the important antioxidant glutathione, methionine plays a critical role in the metabolism and health of many species, including humans.]

N acetyl cysteine: – **Halal** (Aslan) [N-acetyl cysteine (NAC), as a nutritional supplement, is a greatly applied antioxidant in vivo and in vitro. NAC is a precursor of L-cysteine that results in glutathione elevation biosynthesis. It acts directly as a scavenger of free radicals, especially oxygen radicals. NAC is a powerful antioxidant.]

Serine: – **Halal** (Aslan) [Serine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain consisting of a hydroxymethyl group, classifying it as a polar amino acid.]

Threonine: – **Halal** (Aslan) [Threonine is an amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain containing a hydroxyl group, making it a polar, uncharged amino acid. It is essential in humans, meaning the body cannot synthesize it: it must be obtained from the diet.]

Valine: – **Halal** (Aslan) [Valine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain isopropyl group, making it a non-polar aliphatic amino acid. It is essential in humans, meaning the body cannot synthesize it: it must be obtained from the diet.]

L-pyroglutamic acid: – **Halal** (Aslan) [Pyroglutamic acid is a ubiquitous but little studied natural amino acid derivative in which the free amino group of glutamic acid or glutamine cyclizes to form a lactam. The names of pyroglutamic acid conjugate base, anion, salts, and esters are pyroglutamate, 5-oxoprolinate, or pidolate.]

Thiamine HCl: – **Halal** (Aslan) [Thiamine Hydrochloride is the hydrochloride salt form of thiamine, a vitamin essential for aerobic metabolism, cell growth, transmission of nerve impulses and acetylcholine synthesis.]

Sodium Ascorbate: – **Halal** (Aslan) [Sodium ascorbate is one of a number of mineral salts of ascorbic acid. The molecular formula of this chemical compound is  $C_6H_7NaO_6$ . As the sodium salt of ascorbic acid, it is known as a mineral ascorbate. It has not been demonstrated to be more bioavailable than any other form of vitamin C supplement.]

Potassium Chloride: – **Halal** (Aslan) [Potassium chloride, also known as potassium salt, is used as a medication to treat and prevent low blood potassium. Low blood

potassium may occur due to vomiting, diarrhea, or certain medications. The concentrated version should be diluted before use. It is given by slow injection into a vein or by mouth.]

Vitamin E: – **Halal** (Aslan) [ Vitamin E is a group of eight fat soluble compounds that include four tocopherols and four tocotrienols. Vitamin E deficiency, which is rare and usually due to an underlying problem with digesting dietary fat rather than from a diet low in vitamin E, can cause nerve problems.]

Durashield NP: – **Halal** (Aslan) [ Plant-Based Protein - Meat Alternatives, safeguard meat analogs with antioxidants and antimicrobials, each of which is shown to be more effective when combined than they are on their own.]

Methylcellulose 100: – **Halal** (Aslan) [ Methyl cellulose is a compound derived from cellulose. It is sold under a variety of trade names and is used as a thickener and emulsifier in various food and cosmetic products, and also as a bulk-forming laxative. Like cellulose, it is not digestible, not toxic, and not an allergen.]

Pea Protein: – **Halal** (Aslan) [ Pea protein is a food product and protein supplement derived and extracted from yellow and green split peas, *Pisum sativum*. It can be used as a dietary supplement to increase an individual's protein or other nutrient intake, or as a substitute for other food products.]

D-ribose: – **Halal** (Aslan) [ Ribose is a simple sugar and carbohydrate with molecular formula  $C_5H_{10}O_5$  and the linear-form composition  $H-(CHOH)_4-H$ . The naturally-occurring form, d-ribose, is a component of the ribonucleotides from which RNA is built, and so this compound is necessary for coding, decoding, regulation and expression of genes.]

4-methylnonanoic acid: – **Halal** (Aslan) [ 4-Methylnonanoic acid is a medium-chain fatty acid.]

4-methyloctanoic acid: – **Halal** (Aslan) [ 4-methyl-octanoic acid is a medium-chain fatty acid.]

Puris TVP 80%: – **Halal** (Aslan) [ PURIS Textured Pea Protein 80% (TPP80) TPP80 is used in the world's best plant-based meat products. Great at absorbing color and flavor, TPP80 is the ideal ingredient for R&D applications. Clean flavor meat replacement ingredient with high protein and a satisfying bite.]

Roquette TP70G: – **Halal** (Aslan) [ NUTRALYS® TP70G is a textured pea protein ideal for delicious plant-based meat such as tacos and sausage. It brings a firm and juicy texture, and a very good taste profile.]

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Sodium hydroxide: – **Halal** (Aslan) [ Sodium hydroxide, also known as lye and caustic soda, is an inorganic compound with the formula NaOH. It is a white solid ionic compound consisting of sodium cations Na<sup>+</sup> and hydroxide anions OH<sup>-</sup>.]

Canola oil: – **Halal** (Aslan) [ Rapeseed oil is one of the oldest known vegetable oils. There are both edible and industrial forms produced from rapeseed, the seed of several cultivars of the plant family Brassicaceae.]

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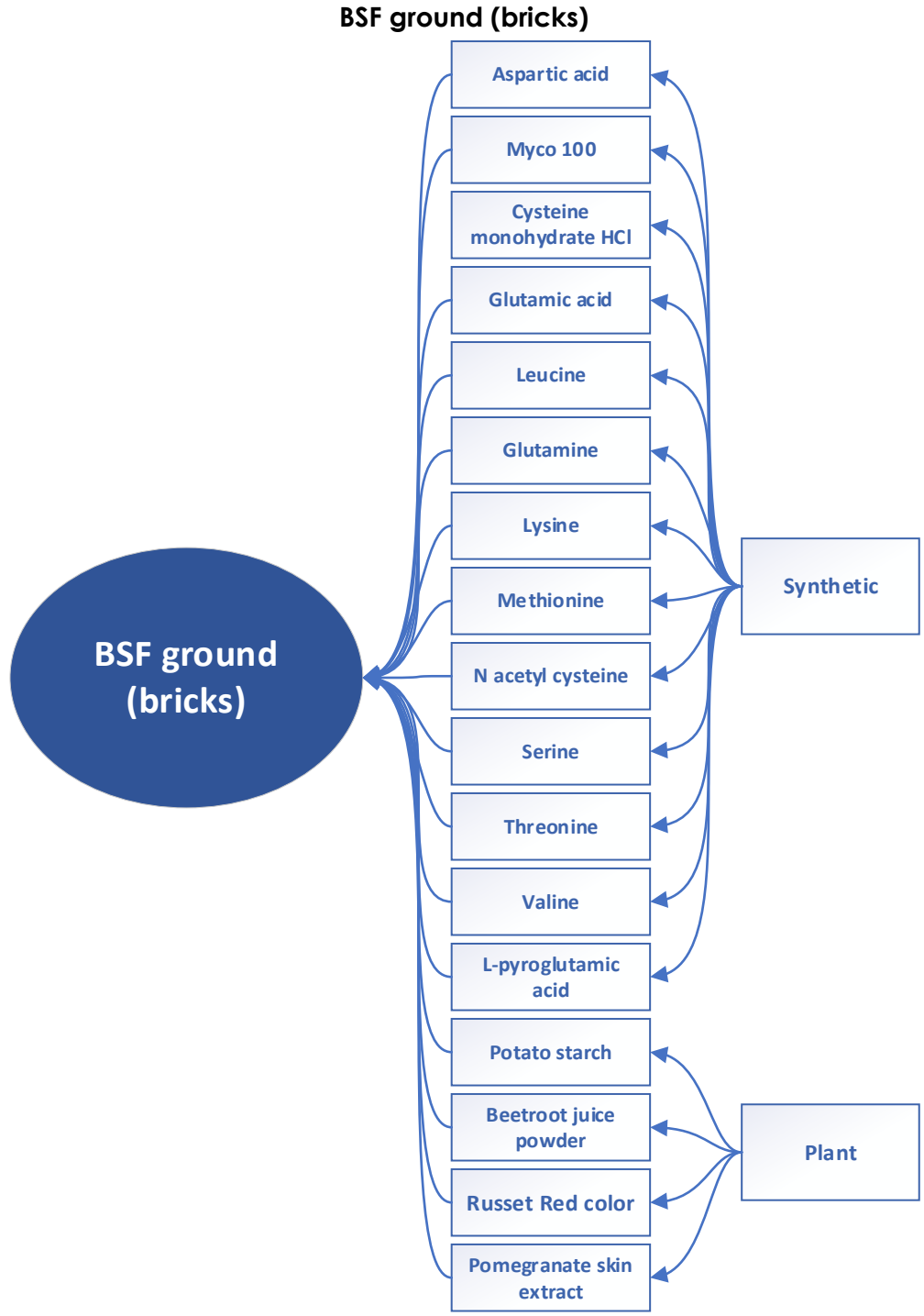
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Kebab seasoning: – **Halal** (Aslan) [Kebab spice blend made by CA Spice Basket.]

Smoked Salt: – **Halal** (Aslan) [ Smoked salt is an aromatic salt smoked with any number of select bark free woods for up to 14 days. The kind of wood used for smoking impacts the flavor, which can range from subtle to bold or even sweet. The most common choices are alder, apple wood, hickory, mesquite, and oak.]

Concerns – None.

# PRODUCT PROFILE



## **BSF ground (bricks)**

Plant based lamb meat.

## Ingredient Status

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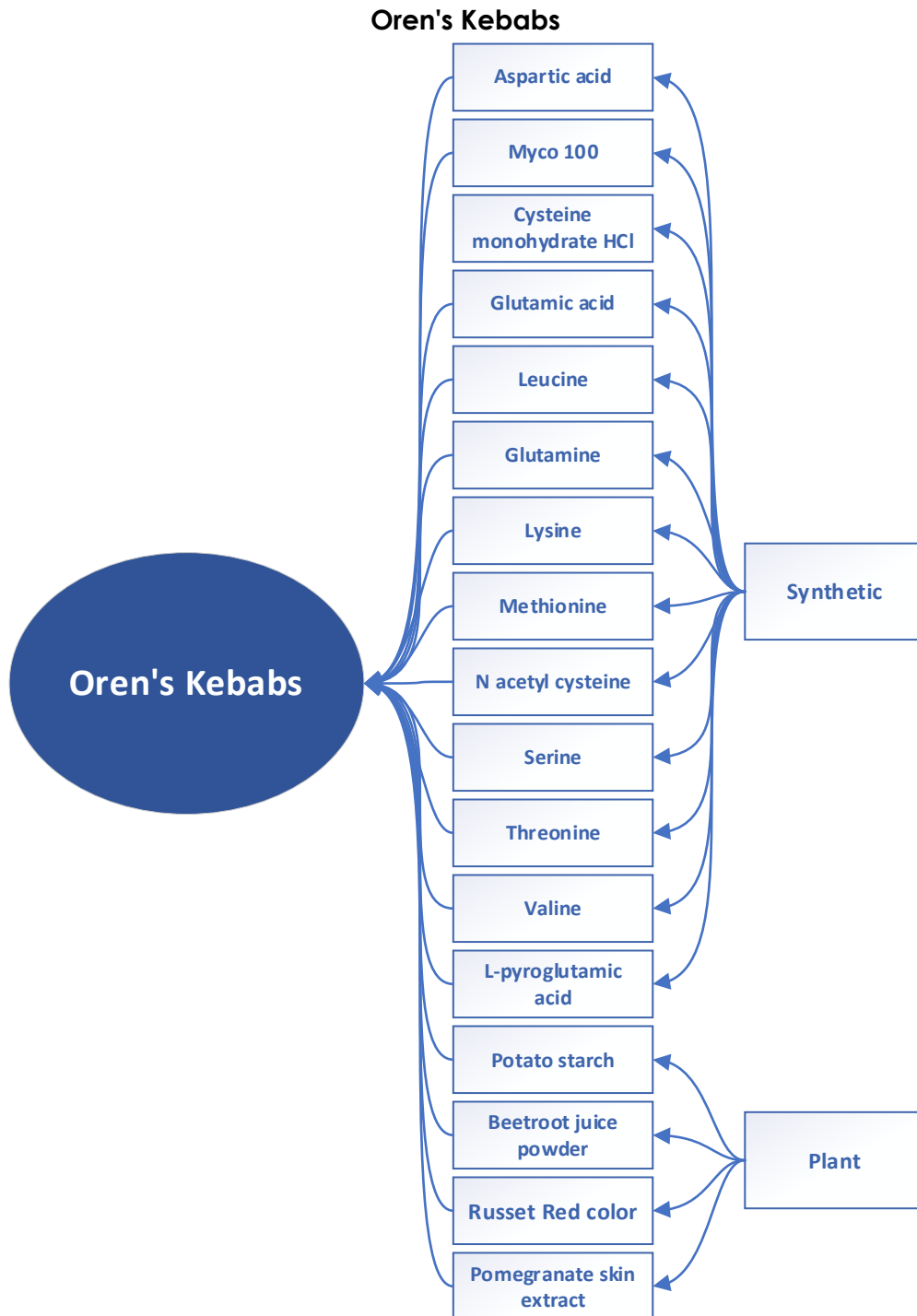
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Stearic acid: – **Halal** (Aslan) Stearic acid is a saturated fatty acid with an 18-carbon chain. The IUPAC name is octadecanoic acid. It is a waxy solid with the formula CH<sub>3</sub>(CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>H. Its name comes from the Greek word *στῆαρ* "stéar", which means tallow. The salts and esters of stearic acid are called stearates.]

Concerns – None.

## PRODUCT PROFILE



### **Oren's Kebabs**

Plant based lamb meat.

## Ingredient Status

Potato starch: – **Halal** (Aslan) [Potato starch is starch extracted from potatoes. The cells of the root tubers of the potato plant contain leucoplasts. To extract the starch, the potatoes are crushed, and the starch grains are released from the destroyed cells.]

5009 ClearIQ™ Absolute Flavor C100 (Myco 100): – **Halal** (Aslan) [ClearIQ™ natural flavor modulation tools, help decrease the perception of metallic, bitter, sour, astringent, and other general off-notes found in many food and drink products.]

Beetroot juice powder: – **Halal** (Aslan) [The beetroot is the taproot portion of a beet plant, usually known in North America as beets while the vegetable is referred to as beetroot in British English, and also known as the table beet, garden beet, red beet, dinner beet or golden beet.]

Pomegranate skin extract: – **Halal** (Aslan) [ The pomegranate is a fruit-bearing deciduous shrub in the family Lythraceae, subfamily Punicoideae, that grows between 5 and 10 m tall. The pomegranate was originally described throughout the Mediterranean region.]

Aspartic acid: – **Halal** (Aslan) [ Aspartic acid, is an α-amino acid that is used in the biosynthesis of proteins. Like all other amino acids, it contains an amino group and a carboxylic acid.]

Cysteine Monohydrate HCl: – **Halal** (Aslan) [ L-Cysteine hydrochloride monohydrate is used as a precursor in food, pharmaceutical and personal care products. It is actively involved in the production of flavors such as meat flavor obtained by reacting with sugars.]

Glutamic acid: – **Halal** (Aslan) [ Glutamic acid is an α-amino acid that is used by almost all living beings in the biosynthesis of proteins. It is a non-essential nutrient for humans, meaning that the human body can synthesize enough for its use. It is also the most abundant excitatory neurotransmitter in the vertebrate nervous system.]

Glutamine: – **Halal** (Aslan) [ Glutamine is an α-amino acid that is used in the biosynthesis of proteins. Its side chain is similar to that of glutamic acid, except the carboxylic acid group is replaced by an amide. It is classified as a charge-neutral, polar amino acid.]

Leucine: – **Halal** (Aslan) [ Leucine is an essential amino acid that is used in the biosynthesis of proteins. Leucine is an α-amino acid, meaning it contains an α-amino

group, an  $\alpha$ -carboxylic acid group, and a side chain isobutyl group, making it a non-polar aliphatic amino acid.]

Lysine: – **Halal** (Aslan) [ Lysine is an  $\alpha$ -amino acid that is a precursor to many proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain lysyl, classifying it as a basic, charged, aliphatic amino acid. It is encoded by the codons AAA and AAG.]

Methionine: – **Halal** (Aslan) [ Methionine is an essential amino acid in humans. As the precursor of other amino acids such as cysteine and taurine, versatile compounds such as SAM-e, and the important antioxidant glutathione, methionine plays a critical role in the metabolism and health of many species, including humans.]

N acetyl cysteine: – **Halal** (Aslan) [ N-acetyl cysteine (NAC), as a nutritional supplement, is a greatly applied antioxidant in vivo and in vitro. NAC is a precursor of L-cysteine that results in glutathione elevation biosynthesis. It acts directly as a scavenger of free radicals, especially oxygen radicals. NAC is a powerful antioxidant.]

Serine: – **Halal** (Aslan) [ Serine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain consisting of a hydroxymethyl group, classifying it as a polar amino acid.]

Threonine: – **Halal** (Aslan) [ Threonine is an amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain containing a hydroxyl group, making it a polar, uncharged amino acid. It is essential in humans, meaning the body cannot synthesize it: it must be obtained from the diet.]

Valine: – **Halal** (Aslan) [ Valine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain isopropyl group, making it a non-polar aliphatic amino acid. It is essential in humans, meaning the body cannot synthesize it: it must be obtained from the diet.]

L-pyroglutamic acid: – **Halal** (Aslan) [ Pyroglutamic acid is a ubiquitous but little studied natural amino acid derivative in which the free amino group of glutamic acid or glutamine cyclizes to form a lactam. The names of pyroglutamic acid conjugate base, anion, salts, and esters are pyroglutamate, 5-oxoprolinate, or pidolate.]

Thiamine HCl: – **Halal** (Aslan) [ Thiamine Hydrochloride is the hydrochloride salt form of thiamine, a vitamin essential for aerobic metabolism, cell growth, transmission of nerve impulses and acetylcholine synthesis.]

Sodium Ascorbate: – **Halal** (Aslan) [ Sodium ascorbate is one of a number of mineral salts of ascorbic acid. The molecular formula of this chemical compound is  $C_6H_7NaO_6$ . As the sodium salt of ascorbic acid, it is known as a mineral ascorbate. It has not been demonstrated to be more bioavailable than any other form of vitamin C supplement.]

Potassium Chloride: – **Halal** (Aslan) [ Potassium chloride, also known as potassium salt, is used as a medication to treat and prevent low blood potassium. Low blood potassium may occur due to vomiting, diarrhea, or certain medications. The concentrated version should be diluted before use. It is given by slow injection into a vein or by mouth.]

Vitamin E: – **Halal** (Aslan) [ Vitamin E is a group of eight fat soluble compounds that include four tocopherols and four tocotrienols. Vitamin E deficiency, which is rare and usually due to an underlying problem with digesting dietary fat rather than from a diet low in vitamin E, can cause nerve problems.]

Durashield NP: – **Halal** (Aslan) [ Plant-Based Protein - Meat Alternatives, safeguard meat analogs with antioxidants and antimicrobials, each of which is shown to be more effective when combined than they are on their own.]

Methylcellulose 100: – **Halal** (Aslan) [ Methyl cellulose is a compound derived from cellulose. It is sold under a variety of trade names and is used as a thickener and emulsifier in various food and cosmetic products, and also as a bulk-forming laxative. Like cellulose, it is not digestible, not toxic, and not an allergen.]

Pea Protein: – **Halal** (Aslan) [ Pea protein is a food product and protein supplement derived and extracted from yellow and green split peas, *Pisum sativum*. It can be used as a dietary supplement to increase an individual's protein or other nutrient intake, or as a substitute for other food products.]

D-ribose: – **Halal** (Aslan) [ Ribose is a simple sugar and carbohydrate with molecular formula  $C_5H_{10}O_5$  and the linear-form composition  $H-(CHOH)_4-H$ . The naturally-occurring form, d-ribose, is a component of the ribonucleotides from which RNA is built, and so this compound is necessary for coding, decoding, regulation and expression of genes.]

4-methylnonanoic acid: – **Halal** (Aslan) [ 4-Methylnonanoic acid is a medium-chain fatty acid.]

4-methyloctanoic acid: – **Halal** (Aslan) [ 4-methyl-octanoic acid is a medium-chain fatty acid.]

Puris TVP 80%: – **Halal** (Aslan) [ PURIS Textured Pea Protein 80% (TPP80) TPP80 is used in the world's best plant-based meat products. Great at absorbing color and flavor, TPP80 is the ideal ingredient for R&D applications. Clean flavor meat replacement ingredient with high protein and a satisfying bite.]

Roquette TP70G: – **Halal** (Aslan) [ NUTRALYS® TP70G is a textured pea protein ideal for delicious plant-based meat such as tacos and sausage. It brings a firm and juicy texture, and a very good taste profile.]

Roquette TPC: – **Halal** (Aslan) [ NUTRALYS® TP-C is a textured pea protein exhibiting high fibrous texture, tender bite and neutral taste ideal for meat substitutes such as plant-based fish fingers and spread.]

QC 200 bamboo fiber: – **Halal** (Aslan) [ Both CreaSplend and CreaFibe contribute valuable dietary fiber content for healthy labeling. CreaFibe is the insoluble dietary fiber choice while CreaSplend provides both soluble and insoluble fiber content. Most often CreaFibe or CreaSplend are selected for their functionality, but the benefit extends much further to better-for-you nutrition.]

Sodium hydroxide: – **Halal** (Aslan) [ Sodium hydroxide, also known as lye and caustic soda, is an inorganic compound with the formula NaOH. It is a white solid ionic compound consisting of sodium cations Na<sup>+</sup> and hydroxide anions OH<sup>-</sup>.]

Canola oil: – **Halal** (Aslan) [ Rapeseed oil is one of the oldest known vegetable oils. There are both edible and industrial forms produced from rapeseed, the seed of several cultivars of the plant family Brassicaceae.]

Cocoa butter: – **Halal** (Aslan) [ Cocoa butter, also called theobroma oil, is a pale-yellow, edible fat extracted from the cocoa bean. It is used to make chocolate, as well as some ointments, toiletries, and pharmaceuticals. Cocoa butter has a cocoa flavor and aroma. Its melting point is slightly below human body temperature.]

Coconut oil: – **Halal** (Aslan) [ Coconut oil is an edible oil derived from the wick, meat, and milk of the coconut palm fruit. Coconut oil is a white solid fat below around 25 °C, and a clear thin liquid oil in warmer climates. Unrefined varieties have a distinct coconut aroma.]

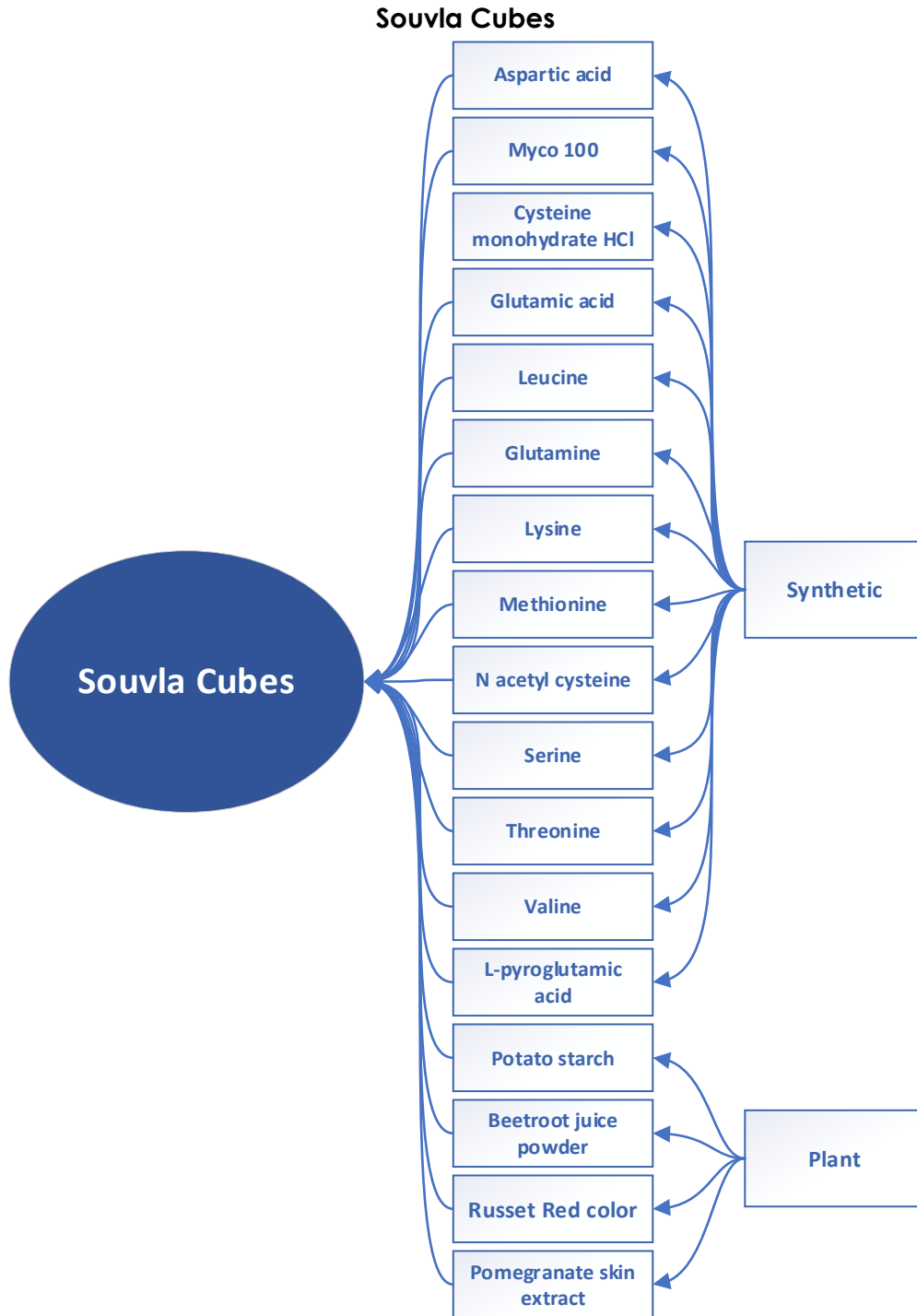
Stearic acid: – **Halal** (Aslan) Stearic acid is a saturated fatty acid with an 18-carbon chain. The IUPAC name is octadecanoic acid. It is a waxy solid with the formula CH<sub>3</sub>(CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>H. Its name comes from the Greek word στέαρ "stéar", which means tallow. The salts and esters of stearic acid are called stearates.]

Kebab seasoning: – **Halal** (Aslan) [Kebab spice blend made by CA Spice Basket.]

Smoked Salt: – **Halal** (Aslan) [ Smoked salt is an aromatic salt smoked with any number of select bark free woods for up to 14 days. The kind of wood used for smoking impacts the flavor, which can range from subtle to bold or even sweet. The most common choices are alder, apple wood, hickory, mesquite, and oak.]

Concerns – None.

**PRODUCT PROFILE**



**Souvla Cubes**

Plant based lamb meat.

## Ingredient Status

Potato starch: – **Halal** (Aslan) [Potato starch is starch extracted from potatoes. The cells of the root tubers of the potato plant contain leucoplasts. To extract the starch, the potatoes are crushed, and the starch grains are released from the destroyed cells.]

5009 ClearIQ™ Absolute Flavor C100 (Myco 100): – **Halal** (Aslan) [ClearIQ™ natural flavor modulation tools, help decrease the perception of metallic, bitter, sour, astringent, and other general off-notes found in many food and drink products.]

Beetroot juice powder: – **Halal** (Aslan) [The beetroot is the taproot portion of a beet plant, usually known in North America as beets while the vegetable is referred to as beetroot in British English, and also known as the table beet, garden beet, red beet, dinner beet or golden beet.]

Pomegranate skin extract: – **Halal** (Aslan) [ The pomegranate is a fruit-bearing deciduous shrub in the family Lythraceae, subfamily Punicoideae, that grows between 5 and 10 m tall. The pomegranate was originally described throughout the Mediterranean region.]

Aspartic acid: – **Halal** (Aslan) [ Aspartic acid, is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. Like all other amino acids, it contains an amino group and a carboxylic acid.]

Cysteine Monohydrate HCl: – **Halal** (Aslan) [ L-Cysteine hydrochloride monohydrate is used as a precursor in food, pharmaceutical and personal care products. It is actively involved in the production of flavors such as meat flavor obtained by reacting with sugars.]

Glutamic acid: – **Halal** (Aslan) [ Glutamic acid is an  $\alpha$ -amino acid that is used by almost all living beings in the biosynthesis of proteins. It is a non-essential nutrient for humans, meaning that the human body can synthesize enough for its use. It is also the most abundant excitatory neurotransmitter in the vertebrate nervous system.]

Glutamine: – **Halal** (Aslan) [ Glutamine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. Its side chain is similar to that of glutamic acid, except the carboxylic acid group is replaced by an amide. It is classified as a charge-neutral, polar amino acid.]

Leucine: – **Halal** (Aslan) [ Leucine is an essential amino acid that is used in the biosynthesis of proteins. Leucine is an  $\alpha$ -amino acid, meaning it contains an  $\alpha$ -amino

group, an  $\alpha$ -carboxylic acid group, and a side chain isobutyl group, making it a non-polar aliphatic amino acid.]

Lysine: – **Halal** (Aslan) [ Lysine is an  $\alpha$ -amino acid that is a precursor to many proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain lysyl, classifying it as a basic, charged, aliphatic amino acid. It is encoded by the codons AAA and AAG.]

Methionine: – **Halal** (Aslan) [ Methionine is an essential amino acid in humans. As the precursor of other amino acids such as cysteine and taurine, versatile compounds such as SAM-e, and the important antioxidant glutathione, methionine plays a critical role in the metabolism and health of many species, including humans.]

N acetyl cysteine: – **Halal** (Aslan) [ N-acetyl cysteine (NAC), as a nutritional supplement, is a greatly applied antioxidant in vivo and in vitro. NAC is a precursor of L-cysteine that results in glutathione elevation biosynthesis. It acts directly as a scavenger of free radicals, especially oxygen radicals. NAC is a powerful antioxidant.]

Serine: – **Halal** (Aslan) [ Serine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain consisting of a hydroxymethyl group, classifying it as a polar amino acid.]

Threonine: – **Halal** (Aslan) [ Threonine is an amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain containing a hydroxyl group, making it a polar, uncharged amino acid. It is essential in humans, meaning the body cannot synthesize it: it must be obtained from the diet.]

Valine: – **Halal** (Aslan) [ Valine is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain isopropyl group, making it a non-polar aliphatic amino acid. It is essential in humans, meaning the body cannot synthesize it: it must be obtained from the diet.]

L-pyroglutamic acid: – **Halal** (Aslan) [ Pyroglutamic acid is a ubiquitous but little studied natural amino acid derivative in which the free amino group of glutamic acid or glutamine cyclizes to form a lactam. The names of pyroglutamic acid conjugate base, anion, salts, and esters are pyroglutamate, 5-oxoprolinate, or pidolate.]

Thiamine HCl: – **Halal** (Aslan) [ Thiamine Hydrochloride is the hydrochloride salt form of thiamine, a vitamin essential for aerobic metabolism, cell growth, transmission of nerve impulses and acetylcholine synthesis.]

Sodium Ascorbate: – **Halal** (Aslan) [ Sodium ascorbate is one of a number of mineral salts of ascorbic acid. The molecular formula of this chemical compound is  $C_6H_7NaO_6$ . As the sodium salt of ascorbic acid, it is known as a mineral ascorbate. It has not been demonstrated to be more bioavailable than any other form of vitamin C supplement.]

Potassium Chloride: – **Halal** (Aslan) [ Potassium chloride, also known as potassium salt, is used as a medication to treat and prevent low blood potassium. Low blood potassium may occur due to vomiting, diarrhea, or certain medications. The concentrated version should be diluted before use. It is given by slow injection into a vein or by mouth.]

Vitamin E: – **Halal** (Aslan) [ Vitamin E is a group of eight fat soluble compounds that include four tocopherols and four tocotrienols. Vitamin E deficiency, which is rare and usually due to an underlying problem with digesting dietary fat rather than from a diet low in vitamin E, can cause nerve problems.]

Durashield NP: – **Halal** (Aslan) [ Plant-Based Protein - Meat Alternatives, safeguard meat analogs with antioxidants and antimicrobials, each of which is shown to be more effective when combined than they are on their own.]

Methylcellulose 100: – **Halal** (Aslan) [ Methyl cellulose is a compound derived from cellulose. It is sold under a variety of trade names and is used as a thickener and emulsifier in various food and cosmetic products, and also as a bulk-forming laxative. Like cellulose, it is not digestible, not toxic, and not an allergen.]

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D-ribose: – **Halal** (Aslan) [ Ribose is a simple sugar and carbohydrate with molecular formula  $C_5H_{10}O_5$  and the linear-form composition  $H-(CHOH)_4-H$ . The naturally-occurring form, d-ribose, is a component of the ribonucleotides from which RNA is built, and so this compound is necessary for coding, decoding, regulation and expression of genes.]

4-methylnonanoic acid: – **Halal** (Aslan) [ 4-Methylnonanoic acid is a medium-chain fatty acid.]

4-methyloctanoic acid: – **Halal** (Aslan) [ 4-methyl-octanoic acid is a medium-chain fatty acid.]

Puris TVP 80%: – **Halal** (Aslan) [ PURIS Textured Pea Protein 80% (TPP80) TPP80 is used in the world's best plant-based meat products. Great at absorbing color and flavor, TPP80 is the ideal ingredient for R&D applications. Clean flavor meat replacement ingredient with high protein and a satisfying bite.]

Roquette TP70G: – **Halal** (Aslan) [ NUTRALYS® TP70G is a textured pea protein ideal for delicious plant-based meat such as tacos and sausage. It brings a firm and juicy texture, and a very good taste profile.]

Roquette TPC: – **Halal** (Aslan) [ NUTRALYS® TP-C is a textured pea protein exhibiting high fibrous texture, tender bite and neutral taste ideal for meat substitutes such as plant-based fish fingers and spread.]

QC 200 bamboo fiber: – **Halal** (Aslan) [ Both CreaSplend and CreaFibe contribute valuable dietary fiber content for healthy labeling. CreaFibe is the insoluble dietary fiber choice while CreaSplend provides both soluble and insoluble fiber content. Most often CreaFibe or CreaSplend are selected for their functionality, but the benefit extends much further to better-for-you nutrition.]

Sodium hydroxide: – **Halal** (Aslan) [ Sodium hydroxide, also known as lye and caustic soda, is an inorganic compound with the formula NaOH. It is a white solid ionic compound consisting of sodium cations Na<sup>+</sup> and hydroxide anions OH<sup>-</sup>.]

Canola oil: – **Halal** (Aslan) [ Rapeseed oil is one of the oldest known vegetable oils. There are both edible and industrial forms produced from rapeseed, the seed of several cultivars of the plant family Brassicaceae.]

Cocoa butter: – **Halal** (Aslan) [ Cocoa butter, also called theobroma oil, is a pale-yellow, edible fat extracted from the cocoa bean. It is used to make chocolate, as well as some ointments, toiletries, and pharmaceuticals. Cocoa butter has a cocoa flavor and aroma. Its melting point is slightly below human body temperature.]

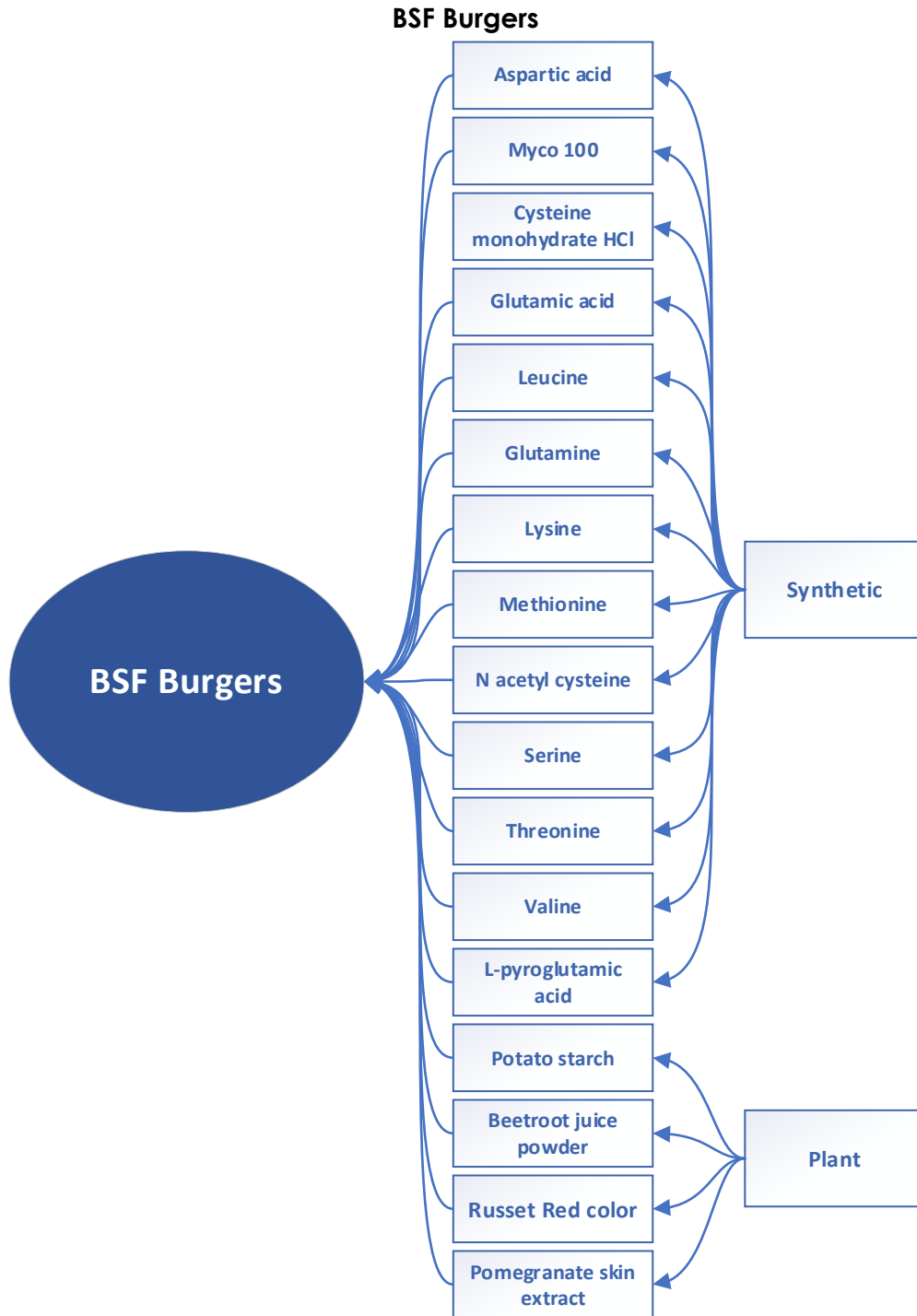
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Stearic acid: – **Halal** (Aslan) Stearic acid is a saturated fatty acid with an 18-carbon chain. The IUPAC name is octadecanoic acid. It is a waxy solid with the formula CH<sub>3</sub>(CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>H. Its name comes from the Greek word στέαρ "stéar", which means tallow. The salts and esters of stearic acid are called stearates.]

Greek seasoning: – **Halal** (Aslan) [Greek spice blend made by international Spices.]

Concerns – None.

# PRODUCT PROFILE



## **BSF Burgers**

Plant based lamb meat.

## Ingredient Status

Potato starch: – **Halal** (Aslan) [Potato starch is starch extracted from potatoes. The cells of the root tubers of the potato plant contain leucoplasts. To extract the starch, the potatoes are crushed, and the starch grains are released from the destroyed cells.]

5009 ClearIQ™ Absolute Flavor C100 (Myco 100): – **Halal** (Aslan) [ClearIQ™ natural flavor modulation tools, help decrease the perception of metallic, bitter, sour, astringent, and other general off-notes found in many food and drink products.]

Beetroot juice powder: – **Halal** (Aslan) [The beetroot is the taproot portion of a beet plant, usually known in North America as beets while the vegetable is referred to as beetroot in British English, and also known as the table beet, garden beet, red beet, dinner beet or golden beet.]

Pomegranate skin extract: – **Halal** (Aslan) [ The pomegranate is a fruit-bearing deciduous shrub in the family Lythraceae, subfamily Punicoideae, that grows between 5 and 10 m tall. The pomegranate was originally described throughout the Mediterranean region.]

Aspartic acid: – **Halal** (Aslan) [ Aspartic acid, is an α-amino acid that is used in the biosynthesis of proteins. Like all other amino acids, it contains an amino group and a carboxylic acid.]

Cysteine Monohydrate HCl: – **Halal** (Aslan) [ L-Cysteine hydrochloride monohydrate is used as a precursor in food, pharmaceutical and personal care products. It is actively involved in the production of flavors such as meat flavor obtained by reacting with sugars.]

Glutamic acid: – **Halal** (Aslan) [ Glutamic acid is an α-amino acid that is used by almost all living beings in the biosynthesis of proteins. It is a non-essential nutrient for humans, meaning that the human body can synthesize enough for its use. It is also the most abundant excitatory neurotransmitter in the vertebrate nervous system.]

Glutamine: – **Halal** (Aslan) [ Glutamine is an α-amino acid that is used in the biosynthesis of proteins. Its side chain is similar to that of glutamic acid, except the carboxylic acid group is replaced by an amide. It is classified as a charge-neutral, polar amino acid.]

Leucine: – **Halal** (Aslan) [ Leucine is an essential amino acid that is used in the biosynthesis of proteins. Leucine is an α-amino acid, meaning it contains an α-amino

group, an  $\alpha$ -carboxylic acid group, and a side chain isobutyl group, making it a non-polar aliphatic amino acid.]

Lysine: – **Halal** (Aslan) [ Lysine is an  $\alpha$ -amino acid that is a precursor to many proteins. It contains an  $\alpha$ -amino group, an  $\alpha$ -carboxylic acid group, and a side chain lysyl, classifying it as a basic, charged, aliphatic amino acid. It is encoded by the codons AAA and AAG.]

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N acetyl cysteine: – **Halal** (Aslan) [ N-acetyl cysteine (NAC), as a nutritional supplement, is a greatly applied antioxidant in vivo and in vitro. NAC is a precursor of L-cysteine that results in glutathione elevation biosynthesis. It acts directly as a scavenger of free radicals, especially oxygen radicals. NAC is a powerful antioxidant.]

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Coconut oil: – **Halal** (Aslan) [ Coconut oil is an edible oil derived from the wick, meat, and milk of the coconut palm fruit. Coconut oil is a white solid fat below around 25 °C, and a clear thin liquid oil in warmer climates. Unrefined varieties have a distinct coconut aroma.]

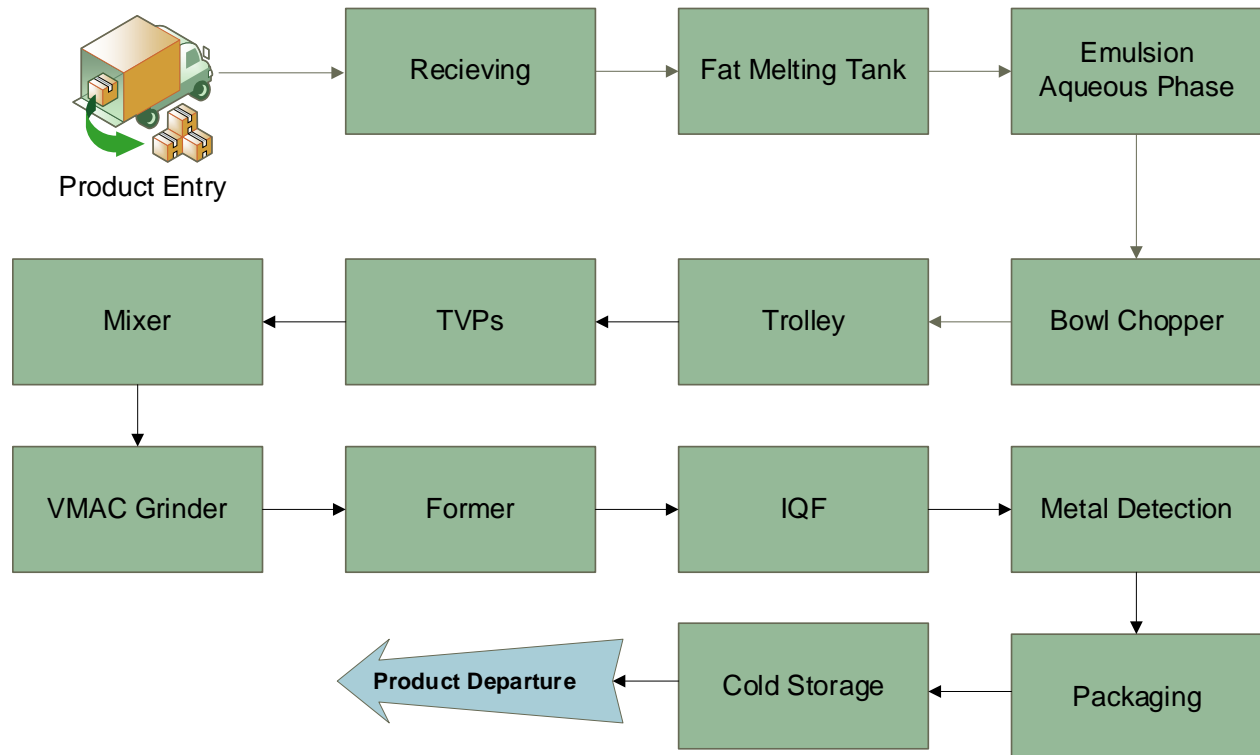
Stearic acid: – **Halal** (Aslan) Stearic acid is a saturated fatty acid with an 18-carbon chain. The IUPAC name is octadecanoic acid. It is a waxy solid with the formula CH<sub>3</sub>(CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>H. Its name comes from the Greek word στέαρ "stéar", which means tallow. The salts and esters of stearic acid are called stearates.]

Burger Seasoning: – **Halal** (Aslan) [Burger patty spice blend made by CA Spice Basket.]

Smoked Salt: – **Halal** (Aslan) [ Smoked salt is an aromatic salt smoked with any number of select bark free woods for up to 14 days. The kind of wood used for smoking impacts the flavor, which can range from subtle to bold or even sweet. The most common choices are alder, apple wood, hickory, mesquite, and oak.]

Concerns – None.

## PROCESSING OVERVIEW



## **CLEANING METHOD**

### Description:

Established Sanitary Procedures for Cleaning and Sanitizing Equipment:

- A. The equipment is disassembled. Parts are placed in the designated tubs, racks, etc.
- B. Product debris is removed
- C. Equipment parts are rinsed with water to remove remaining debris
- D. An approved cleaner is applied to parts and they are cleaned according to manufacturer's directions. Mix concentrations shall be verified and records maintained.
- E. Equipment parts are rinsed with potable water
- F. Equipment is sanitized with an approved sanitizer, and rinsed with potable water if required. Mix concentrations shall be verified and records maintained.
- G. The equipment is reassembled
- H. Repeat if necessary

2. Implementing, Monitoring and Record keeping:

- A. QA Personnel or designee performs daily organoleptic sanitation inspections after pre-operational equipment cleaning and sanitizing. The results of the inspection are recorded on Pre-Operational Form.
  - i. Deficiencies will be documented on the Pre- operational form by QA Personnel and a Corrective Action issued.
- B. If everything is acceptable, the appropriate box is initialed. If corrective actions are needed, such actions are to be documented on the front and back of the Pre-Op form and a Corrective Action / Preventative Measure Form is filled with a control number, which will also be documented / referred to on the Pre-Op form.
- C. As verification of cleaning effectiveness, QA personnel / designee will randomly choose sampling food contact locations, and minimum of the four swabs for pre-operative APC bacteriological levels will be taken at a minimum of once a week.
- D. The QA personnel / designee swabs one square inch of a food contact surface on a piece of equipment or hand tool within one hour prior to production.
- E. The samples will be sent to an outside lab for analysis.
- F. APC Microbial counts are documented on the Micro Testing Record.

Frequency: Daily/As Needed.

## PRODUCT & SUPPLIER ASSESSMENT

### Oriental Pastry

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Potato starch	Yes	Pass	Pass	Halal Aslan	Plant

### Myco Technology

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Myco 100	Yes	Pass	Pass	Halal Aslan	Synthetic

### NP Nutra

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Beetroot juice powder	Yes	Pass	Pass	Halal Aslan	Plant

### DDW

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Russet Red color	Yes	Pass	Pass	Halal Aslan	Plant

### Aromiens

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Aspartic acid	Yes	Pass	Pass	Halal Aslan	Synthetic
Cysteine monohydrate HCl	Yes	Pass	Pass	Halal Aslan	Synthetic
Glutamic acid	Yes	Pass	Pass	Halal Aslan	Synthetic

Glutamine	Yes	Pass	Pass	Halal Aslan	Synthetic
Leucine	Yes	Pass	Pass	Halal Aslan	Synthetic
Lysine	Yes	Pass	Pass	Halal Aslan	Synthetic
Methionine	Yes	Pass	Pass	Halal Aslan	Synthetic
N acetyl cysteine	Yes	Pass	Pass	Halal Aslan	Synthetic
Serine	Yes	Pass	Pass	Halal Aslan	Synthetic
Threonine	Yes	Pass	Pass	Halal Aslan	Synthetic
Valine	Yes	Pass	Pass	Halal Aslan	Synthetic
D-ribose	Yes	Pass	Pass	Halal Aslan	Synthetic
4-methylnonanoic acid	Yes	Pass	Pass	Halal Aslan	Synthetic
4-methyloctanoic acid	Yes	Pass	Pass	Halal Aslan	Synthetic

**NuatureX**

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Pomegranate skin extract	Yes	Pass	Pass	Halal Aslan	Plant

**Parchem**

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
L-pyroglutamic acid	Yes	Pass	Pass	Halal Aslan	Synthetic

**Cellmark**

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Thiamine HCl	Yes	Pass	Pass	Halal Aslan	Synthetic

### Mayschem

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Sodium Ascorbate	Yes	Pass	Pass	Halal Aslan	Synthetic
Potassium Chloride	Yes	Pass	Pass	Halal Aslan	Synthetic
Stearic acid	Yes	Pass	Pass	Halal Aslan	Synthetic

### ADM

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Vitamin E	Yes	Pass	Pass	Halal Aslan	Synthetic

### Kalsec

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Durashield NP	Yes	Pass	Pass	Halal Aslan	Synthetic

### Tylopur

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Methylcellulose 100	Yes	Pass	Pass	Halal Aslan	Synthetic

### Paz Ingredients

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Pea Protein	Yes	Pass	Pass	Halal Aslan	Plant

### Puris

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Puris TVP 80%	Yes	Pass	Pass	Halal Aslan	Synthetic

### IMCD

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Roquette TP70G	Yes	Pass	Pass	Halal Aslan	Synthetic
Roquette TPC	Yes	Pass	Pass	Halal Aslan	Synthetic

### Creafill

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
QC 200 bamboo fiber	Yes	Pass	Pass	Halal Aslan	Plant

### Belle Chemicals

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Sodium hydroxide	Yes	Pass	Pass	Halal Aslan	Synthetic

### AAK

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Canola oil	Yes	Pass	Pass	Halal Aslan	Plant
Coconut oil	Yes	Pass	Pass	Halal Aslan	Plant

### CA Spice Basket

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Burger Seasoning	Yes	Pass	Pass	Halal Aslan	Plant
Kebab seasoning	Yes	Pass	Pass	Halal Aslan	Plant

### San Francisco Salt Company

Raw Material	Traceability	Pass/Fail	Pass/Fail	Status Recommendation	Ingredient Source
Smoked Salt	Yes	Pass	Pass	Halal Aslan	Mineral

### TESTING METHOD

The following tests are performed for the production facility: None.

## **DOCUMENTATION**

<b>Category</b>	<b>Results</b>
Legal Business Documents	<b>PASS</b>
Proof Of Purchase	<b>PASS</b>
Pest Control	<b>PASS</b>
Water Report	<b>PASS</b>
Traceability Plan	<b>PASS</b>
Flowchart of Processing	<b>PASS</b>
SSOP (Standard Sanitation Operating Procedure)	<b>PASS</b>
Recall Plan	<b>PASS</b>

# CONCLUSION

Client was cooperative and compliant with all relevant documentation requests. All documentation has been analysed during this review. Black Sheep Foods's product/s are deemed to be Halal compliant and suitable.

**Based upon this information, the review team hereby recommends Halal certification for all products mentioned in this report.**

My signature below is a testimony that the information provided herein is factual to the best of my knowledge.

## **REVIEW AGENT:**



Tameem Allie

**Technical Review Analyst**

## **APPROVED BY:**



Sh. Darweesh Muhammad

**Certification Committee  
Chair**

**Date: Tuesday, 25 April 2023**