


PRODUCT SPECIFICATION

Product Name	GROUND SUMAC
Product Code	1033

Quality System Certified and implemented	ISO22000:2005 Food Safety Management Systems, BRC Global Standard for Food Safety and implemented the HACCP system according the EU standard.
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PRODUCT CHARACTERISTICS	
Origin	Turkey
Product denomination (legal name)	Sumac (Assyrian:  "Sumaq" red-red shift-turning red, /'sju:mæk/, /'ju:mæk/ or /'su:mæk/; also spelled sumach) is any one of about 35 species of flowering plants in the genus Rhus and related genera, in the family Anacardiaceae.
Description of the product	Sumacs are shrubs and small trees that can reach a height of 1–10 m (3.3–32.8 ft). The leaves are spirally arranged; they are usually pinnately compound, though some species have trifoliolate or simple leaves. The flowers are in dense panicles or spikes 5–30 cm (2.0–11.8 in) long, each flower very small, greenish, creamy white or red, with five petals. The fruits form dense clusters of reddish drupes called sumac bobs. The dried drupes of some species are ground to produce a tangy crimson spice
Description of the process	Sun - dried, split and partially separated from extraneous matter at origin; cleaned, ground, sieved, passed over magnets, quality controlled and packed at FGS Ingredients Ltd
Ingredients	Sumac

Organoleptic values		Method
Appearance	Powder	Organoleptic
Colour	The fruits (drupes) of the genus Rhus are ground into a Reddish-Purple powder.	Organoleptic
Flavour	A lemony taste to salads or meats. No off flavours or taints.	Organoleptic
Odour	A lemony aroma. No off odours or taints.	Organoleptic
Texture	Free Flowing	

Analytical values	Target	Minimum	Maximum	Method
Moisture (% w/w)			13%	ISO 1442:1997
Total Oil (% v/w)			10.61g	ASTA 5.0
Total Ash content (% w/w)			12%	ISO 936:1998

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Aflatoxin B1	<5ppb		<5ppb	ASTA 24.1
Aflatoxin total	<10ppb		<10ppb	ASTA 24.1
Additive Analysis	Result		Detection Limit	Analysis Method
Sudan 1	Not Detected		0.10	Journal of chromatographic Science Vol 48, 2010
Sudan 2	Not Detected		0.10	Journal of chromatographic Science Vol 48, 2010
Sudan 3	Not Detected		0.10	Journal of chromatographic Science Vol 48, 2010
Sudan 4	Not Detected		0.10	Journal of chromatographic Science Vol 48, 2010

Physical values	Target	Minimum	Maximum	Method
Extraneous matter w/w			<1%	ASTA Cleanliness
Impurities/foreign material			Absent	Visual/Cleaning/Sifting
Metal detection (mm)	Fe	Non-Fe	SS	
	4.0mm	5.0mm	5.0mm	Metal Detector

Microbiological values	Minimum (m)/g	Maximum (M)/g	Method
TVC	<10/7	10/7	ISO 4833:2003
Coliforms	<10/4	10/4	ISO 21528-2:2004
B. cereus	<1000	1000	ISO 7932:2005
E. coli	Absent	10/2	ISO 16649-1:2000
Salmonella	Absent in 25/g	Absent in 25/g	ISO 6579:2002
Yeasts	<10/6	10/6	BS 4285-3.6:1986
Moulds	<10/6	10/6	BS 4285-3.6:1986

Heavy Metals (Data are based on the results of our internal monitoring system and supplier's information)			
Lead	Max 10ppm	Zinc	Max100ppm
Copper	Max 50ppm		

Pesticide	Products are supplied in accordance with the current EU Pesticide Legislation.
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Packaging	
Description	Blue Food Grade Poly Sac
Size	460 x 560 x 990 Tri-Ex 140mu
Packaging weight	25Kg
Bag weight	150g-200g

Labelling	Product Description, Batch/Mill order Number, Best before Date, Net Weight
Storage conditions	On pallets under cool, dry, hygienic conditions; not exposed to sunlight.
Shelf life	Maximum 2 years on production. Minimum 75% of declared maximum shelf life.

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ADDITIVE	E NO	YES	NO
Sunset Yellow	E110		NO
Carmoisine	E122		NO
Tartrazine	E102		NO
Ponceau 4R	E124		NO
Sodium Benzoate	E211		NO
Quinoline Yellow	E104		NO
Allura Red AC	E129		NO

PRODUCT SUITABILITY		
Vegetarians	YES	Not Certified
Vegans	YES	
Kosher	YES	
Halal	YES	
Coeliac	YES	

Nutrition information per 100g	
kcal	0
kj	1070
protein (g)	4.1
carbohydrate (g)	45
sugar (g)	0
fat (g)	11
saturates (g)	0
salt (g)	0

Calculation from Literature value using Nutrition Facts software.

<u>Allergens</u> -When purchased in bulk size original packaging, manufacturer allergen policy will apply. When purchased in quantities that need re-packaging, our allergen policies will apply.						
Component	Manufacturer			Nuts in Bulk (Applies when bought in small quantities that need re-packaging)		
	In Product	Processed in Same Equipment	Handled on Site	In Product	Processed in Same Equipment	Handled on Site
Cereals containing GLUTEN and products thereof	NO	NO	YES	NO	NO	YES
EGGS or its derivatives	NO	NO	NO	NO	NO	NO
FISH or its derivatives	NO	NO	NO	NO	NO	NO
CRUSTACEANS / SHELLFISH	NO	NO	NO	NO	NO	NO
MOLLUSCS	NO	NO	NO	NO	NO	NO
PEANUTS or derivatives	NO	NO	NO	NO	NO	YES
SOYA BEANS or derivatives	NO	NO	NO	NO	NO	YES
MILK (LACTOSE) or its derivatives	NO	NO	NO	NO	NO	YES
NUTS , tree nuts:	NO	NO	NO	NO	NO	YES
CELERY, including celeriac and its derivatives	NO	NO	YES	NO	NO	YES
MUSTARD, referring to all parts of the plant and derivatives thereof	NO	NO	YES	NO	NO	YES
SESAME SEEDS or derivatives	NO	NO	NO	NO	NO	YES
SULPHITES >10ppm – Sulphite quantity to be given in ppm	NO	NO	NO	NO	NO	YES
LUPIN seeds or derivatives	NO	NO	NO	NO	NO	NO

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13	Lupin	No
14	Molluscs	No

GMO STATEMENT

Referring to the EU council regulations 1829/2003 and 1830/2003, we herewith issue the following statement concerning the above mentioned product :	
Neither the product itself nor any component is produced from raw materials of which genetically modified varieties are known.	Yes
The product or a component is produced from raw materials which are identity preserved. This statement is based on statements of our suppliers.	No
The product or a component is produced from raw materials which have a GM origin.	No
This product needs declaration as GMO.	No

IRRADIATION STATEMENT

There are no known irradiated ingredients present in any of the raw material or finished products manufactured by the NutsinBulk. The company has no intention of knowingly purchasing any raw material or ingredient that has been irradiated.

REMARKS

Use in production
If the goods or any part thereof supplied under the contract are processed, altered or tampered with in any way by the buyer or receive of the goods or any other person, the quality of the goods shall be deemed to be acceptable to the buyer. All customers' quality control checks are to be completed on the entire load, prior to production and use.

Infestation
Relating particularly to Coriander Seed, Whole Chillies and Fennel Seed: We cannot guarantee that goods will not at a later date, be subjected to infestation, unless specifically vacuum treated or heat treated. Even after treatments, treated goods can be subjected to re-infestation if incorrectly stored. Untreated seeds, herbs and spices in any form, treated with approved chemical fumigants, are still susceptible to possible infestation, as insect eggs are not destroyed by current chemical fumigants.

Nut Statement
Whilst our suppliers are fully aware of consumer concerns regarding the use of Nuts and Nut products, and in many cases are nuts free sites, they are unable to give categorical assurances that their products are Nut Free from the following reasons:

- Many herbs and spices are grown and processed in close proximity to nuts at various origins
- Transportation can also be a possible source of adventitious cross contamination as many products are transported in containers from origin over which our suppliers are unable to exercise any controls.

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