



**GEORGE
HARKER**

TECHNICAL SPECIFICATION

1. GENERAL

Product Title:	READY TO USE GREEK BLENDED MEDIUM/SMALL BLACK CURRANTS
Specification Number:	FPS / F2904/15
Issue Number:	007
Date Of Issue:	12/03/2023

Legal Description:	Acropolis R.T.U. Currants
Declared Pack Weight:	12.5kg
Pack Claims:	N / A
Country Of Origin:	Greece

Commercial Address:	Demos Ciclitira Ltd. 60 – 62 Lemn Street London E1 8EU	Factory Address:	George Harker & Co. Ltd. Park Drive Ind. Estate Braintree Essex CM7 1AW
Telephone:	+ 44 (0)20 7626 1121	Telephone:	+44 (0)1376 321272
Fax:	+ 44 (0)20 7702 0560	Fax:	+44 (0)1376 552160

<u>Knowledgeable Contacts:</u>		
<i>Name</i>	<i>Position</i>	<i>Email</i>
Rebecca King	Managing Director	rebeccak@harker-uk.com
Helen Riley	Commercial Director	hriley@harker-uk.com
Leanne Francis	Technical	technical@harker-uk.com
Jessica Gray	Commercial Assistant	jessica@harker-uk.com
Abbie Swallow	Admin. Assistant	admin@harker-uk.com
Stacey Dunlop	Accounts	accounts@harker-uk.com

2. INGREDIENTS

Recipe		
Ingredient	Quantity (g)	% Total Recipe
Currants (Vitis Vinifera)	12.5kg	99.5
Vegetable Oil (Non-hydrogenated non-GMO sunflower oil)		0.5% max

3. CHARACTERISTICS

<u>RAW MATERIAL</u>
<p>The product shall be produced from clean, round, uniformly graded and fully developed currants ranging in colour from dark red to deep blue dark. The product has the characteristic flavour of currants with no foreign odours or flavours, fleshy texture, sweet taste the typical of currants, clean in appearance and free flowing.</p> <p>The currants are strictly selected sun-dried currant, will be thoroughly cleaned, washed, laser scanned, metal detected, handpicked, and will be fumigated according to applicable legislation prior to loading. GMO free sunflower oil may be added to help the free flowing of the dried berries. Every effort shall be made during processing to remove all foreign matter, debris and infestation before the product is packed.</p>
<u>AROMA AND TASTE</u>
<p>It should have a typical fresh fruity taste of currants, with no off taints or odours.</p>

Legal Ingredient Declaration (as shown on pack)
Acropolis R.T.U. Currants, crop year, Greek Origin

4. PRODUCT CHARACTERISTICS

(a) Chemical

Characteristic	Target	Limits	Test Method
Pesticide Residue Analysis	Max residue levels according to EU/UK regulation.	Max residue levels according to EU/UK regulation.	UKAS or Greek equivalent
Aflatoxin B1 Aflatoxin B1 + B2 + G1 + G2	< 2 ppb < 4 ppb	2 ppb 4 ppb	HPLC
Ochratoxin 'A'	<8 ppb	8 ppb	HPLC

(b) Physical

Characteristic	Target	Limits	Test Method
Moisture	<17.0%	Max 17.0%	DFA Moisture Meter
Colour	Dark Red / Deep Dark Blue	Too light	Visual
Count / 100g Blended +/- 5% Medium +/- 5% Smalls +/- 5%	550-730 420-560 800-1100	550-730 420-560 800-1100	Visual (Count)
Stalks > 10mm / 10 cartons	<1	Max 1	Visual (Count)
Stalks < 10mm & > 4mm / 10 cartons	<2	Max 2	Visual (Count)
Capstems / 100 berries	<5	Max 5	Visual (Count)
Pip count / 100 berries	<5	Max 5	Visual (Count)
Damaged Berries / 100 berries	<2	Max 2	Visual (Count)
Sugared Berries / 100 berries	<2	Max 2	Visual (Count)
Stones / Tonne	0	1	Visual (Count)
Foreign seeds / Tonne	0	1	Visual (Count)
Foreign Matter	0	0	Visual
EVM / Tonne	0	Max 1	Visual
Infestation	Absent	Absent	Visual
Aroma / Flavour	No off taint / odour	No off taint / odour	Aroma / Taste

(c) Microbiological

	Target	Limits	Method
APC	<30,000/g	30,000/g	Accredited lab
Coliforms	<100/g	100/g	
E. Coli	<10/g	10/g	
Salmonella spp.	Absent in 25g	Present	
Yeast	<5000/g	5000/g	
Mould	<5000/g	5000/g	
Staph Aureus	<10/g	10/g	
C. Perfringens	<10/g	10/g	
Bacillus Cereus	<10/g	10/g	
Listeria	Absence	Present	

5. NUTRITIONAL INFORMATION

Nutrient	g per 100g (as sold)	Method
Energy (Kcal)	317	Calculated
Energy (kJ)	1325	Calculated
Fat	0.4	Soxhlet
-of which saturates	<0.1	GCFID
Carbohydrate	72.8	Calculated
- of which sugars	69	AOAC Official Method 977,20
Fibre	6.4	XT71 AOAC 985.29
Protein	3.2	XT 04 AOAC 991.20:2000
Salt	0.035	TITRIMETRIC

6. FOOD INTOLERANCE DATA

(a) Allergen List

Content	Free from?
Milk / Milk products / Lactose	Yes
Egg and Egg products	Yes
Wheat and derivatives	Yes
Gluten	Yes
Gelatin	Yes
Corn / Maize and derivatives	Yes
Rye Barley / Oats / Oat Bran	Yes
Soya and Soya derivatives	Yes
Mustard	Yes

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Celery & Celeriac	Yes
Yeast	Yes
Peanuts and Peanut Oil	Yes
Coconut and derivatives	Yes
Nuts and Nut derivatives	Yes
Sulphur Dioxide and Sulphites at >10mg/kg (state ppm if present)	Yes
Other nuts and oils (not refined to SCOPA standard)	Yes
Sesame seed and oil	Yes
Meat and Meat derivatives	Yes
Genetically Modified Organisms	Yes
Added Salt	Yes
Added Colours	Yes
Added Preservatives	Yes
Added Sugar	Yes
Molluscs	Yes
Crustaceans	Yes
Fish	Yes
Lupin	Yes

(b) Suitable for list

Vegetarians	Yes
Vegans	Yes
Coeliacs	Yes
Lactose Intolerants	Yes
Nut Allergy Sufferers	Yes

7. QUALITY CONTROL

QC Test	Frequency	Target	Minimum	Maximum
Metal Detection	Every hour	Rejecting	1.0mm Fe 2.0mm Non-Fe 2.0mm SS	1.8mm Fe 2.0mm Non-Fe 2.5mm SS
Pack Weight	Hourly	12.5kg	12.5kg	Net Weight
Correct Print	Hourly	Company name - Product name - Net weight - Country of origin - Lot Number	N/A	N/A

		- Expiration date		
Taste / Appearance	Per Batch	Dark Red to deep dark blue. With a fruity flavour and aroma. No off odours or taints.	Too light. No off flavours or odours.	Visual / Organoleptic

Photo Standard



8. PACKAGING

(a) Product

Packaging description	Coloured food grade poly Liner (50g)
Materials	Polythene liner (food grade)
Dimensions	76 – 48cm / Height 62cm
Coding	N / A

(b) Outer

Packaging description	In a non-staple fibreboard corrugated carton (430g)
Materials	Fibreboard corrugated carton
Dimensions	Length 45cm / Width 27.3cm / Height 15.4cm
Coding	Company name - Product name - Net weight - Country of origin - Lot Number - Expiration date

(c) Pallet

Packaging description	Blue Chep 4-way pallet
Materials	Wood
Dimensions	1200 x 1000mm
Stacked Pallet Height	154cm
Pallet configuration	80 per pallet (10 per layer x 8 high)

9. LEGAL

This specification is the property of Demos Ciclitira Limited & George Harker & Co Ltd.

The product shall conform to all current UK and European legislation and any FAO / WHO Codex Alimentarius applicable, with particular reference to the Food Safety Act.

The specification may not be changed without the express prior approval of the Directors of Demos Ciclitira Limited.

10. FUMIGATION

This should be carried out prior to shipping as part of the process and conforms to all UK legislation and EU legislation.

11. STORAGE

Product will be stored in a cool, dry environment, well enclosed and not subject to extreme temperature or humidity fluctuations. Under these conditions, product should have a recommended shelf life of 12 months from date of packing.

12. GMO STATEMENT

All products supplied by George Harker & Co Ltd and Demos Ciclitira do not consist of any genetically modified material.

DEMOS & GEORGE HARKER Co LTD TECHNICAL APPROVAL:

Signature: L. Francis Date: 12/03/2023

Print: Leanne Francis

DEMOS & GEORGE HARKER Co LTD COMMERCIAL APPROVAL:

Signature:  Date: 12/03/2023

Print: Rebecca King

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13. AMENDMENTS TO SPECIFICATION

Date	Issue to change	Reason for Change	Re-issued By	Re-issue Number	Re-issue Date
29/04/2015		New issue specification specific to customer	R King		
07/02/2017	001	Specification suitable for all customers	R King	002	07/02/2017
02/09/2019	002	Update microbiological parameters	L. Francis	003	02/09/2019
05/07/2021	003	Contacts updated and review of specification	L. Francis	004	05/07/2021
24/01/2022	004	Method of analysis added for nutritional information	L. Francis	005	24/01/2022
11/10/2022	005	Medium size count added to spec. New COMMISSION REGULATION (EU) 2022/1370 of 5 August 2022 amending Regulation (EC) No 1881/2006 re maximum levels of ochratoxin A from 10ppb to 8ppb. Contact titles changed	L. Francis	006	11/10/2022
12/03/2023	006	Contacts updated. Physical characteristics, berry count, smalls added.	L Francis	007	12/03/2023

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