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| Dalziel Group – Manufacturing Manual | |
| Product Specification Proforma | |
| Date: 14/10/2014 | Issue: 2 |
| Document No: MAN239 | pages: 3 |
| Author: Fran Hutton | Authorised By:  |



DALZIEL
Serving the food industry

Dalziel Ltd
5 William Street
Felling
Gateshead
NE10 0JW
0191 4954490

PRODUCT SPECIFICATION

| | |
|---|-------------------------|
| Product: MOROCCAN CURRY BURGER MIX | Code: D9821854 |
| Description: A dry ingredients seasoning blend | Status: Final |
| | Date: 13/04/2015 |

INGREDIENT LISTING

| Ingredient | Country of Origin | % Banding |
|---|---|------------------|
| Rusk (wheat flour, (fortified wheat flour (calcium carbonate, iron niacin, thiamine)) salt, raising agent E503(ii)) | UK | 40-50 |
| Sultanas | Turkey | 10-20 |
| Salt | UK | 12.00% |
| Dehydrated Apricots (contains sulphites) | Turkey | 5-10 |
| Spice (black pepper, caraway, cumin) | Vietnam, Finland, India | 5-10 |
| Sugar | UK, Zambia | 1-5 |
| Garlic Powder | China | 1-5 |
| Preservative E221 | Thailand | 1.20% |
| Antioxidant E300 | China | 1-5 |
| Red Pepper | China | 1-5 |
| Emulsifier E451 (i) | Israel | <1 |
| Flavour Enhancers E621, E635 | Indonesia, China, France, Korea | <1 |
| Herb (Mint) | Egypt | <1 |
| Chilli Powder (contains: spices, salt, garlic, herbs) | India, Spain, Peru, UK, Morocco, France, Netherlands, China | <1 |


INGREDIENT DECLARATION

Rusk (wheat flour, (fortified wheat flour (calcium carbonate, iron niacin, thiamine)) salt, raising agent E503(ii)), Sultanas, Salt, Dehydrated Apricots (contains sulphites), Spice (black pepper, caraway, cumin), Sugar, Garlic Powder, Preservative E221, Antioxidant E300, Red Pepper, Emulsifier E451 (i), Flavour Enhancers E621, E635, Herb (Mint), Chilli Powder (contains: spices, salt, garlic, herbs)

ADDITIVES/PROCESSING AID

| Name | E Number | Function | Declarable | Comments |
|----------------------------|-----------------|-----------------------|-------------------|------------------------|
| Sodium Metabisulphite | E223 | Preservative | Yes | If >10ppm in Apricots |
| Ascorbic Acid | E300 | Antioxidant | Yes | |
| Disodium 5'-Ribonucleotide | E635 | Flavour Enhancer | Yes | |
| Mono Sodium Glutamate | E621 | Flavour Enhancer | Yes | |
| Sodium Ferrocyanide | E535 | Anticaking Agent | No | Processing Aid in Salt |
| Sodium Sulphite | E221 | Preservative | Yes | |
| Sodium Tripolyphosphate | E451(i) | Emulsifier/Stabiliser | Yes | |
| Ammonium Bicarbonate | E503(ii) | Raising Agent | No | Processing Aid in Rusk |

**NB: Provisional specifications may not contain processing aids.
These are added in production and will appear on Final Specifications.**

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ALLERGEN INFORMATION

| Allergen | Present | | Source | Comments |
|--|---------|------------|-------------------------------|----------|
| | On Site | In Product | | |
| Cereals containing Gluten | YES | YES | Rusk | |
| Crustaceans and products thereof | NO | NO | | |
| Egg and products thereof | YES | NO | | |
| Fish and products thereof | YES | NO | | |
| Soybeans and products thereof | YES | NO | | |
| Milk and products thereof | YES | NO | | |
| Celery and products thereof | YES | NO | | |
| Mustard and products thereof | YES | NO | | |
| Peanuts and products thereof | NO | NO | | |
| Nuts *(other than peanuts) and products thereof | NO | NO | | |
| Lupin and products thereof | NO | NO | | |
| Sesame Seeds and products thereof | NO | NO | | |
| Molluscs and products thereof | NO | NO | | |
| Sulphur Dioxide Sulphites >10ppm | YES | YES | Preservative E221 Apricots | |


Dalziel take reasonable and practical precautions to reduce the risk of contamination of the products we manufacture. Due to the nature and complexity of ingredient blending the risk of contamination from carry over residue or airborne cross contamination cannot be totally eliminated. Furthermore although we prohibit the processing of nuts on site we cannot guarantee that contamination has not occurred at other stages in the processing of ingredients, i.e. during farming, harvesting, transportation etc. To a greater or lesser extent the same issue may apply to other allergens. A copy of our allergen policy and risk assessment is available on request.

The absence of an allergen from the above recipe should not be taken as an implication that our product can be guaranteed free from that allergen.

* (1) Nut allergens: Almond, hazelnut, Walnut, cashew, pecan, brazil nut, pistachio nut, Macadamia/Queensland nut) and products thereof.

SUITABILITY

| | | | | | |
|------------|-----|--|-------|-----|--|
| Vegetarian | YES | | Vegan | YES | |
| Organic | NO | | | | |

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MOROCCAN CURRY BURGER MIX

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FINISHED PRODUCT ANALYSIS

| | |
|---|-------------|
| Total Salt Content | 12.96 % |
| NaCl Tolerance (Conductivity Meter) | 12.21-14.93 |
| Preservative Content as : Sodium Sulphite | 1.20 % |
| SO2 Tolerance (Titration) | 0.54-0.66 |

MICROBIOLOGICAL

| | | |
|----------------------|---------|-----|
| Total Viable Count/g | 100,000 | max |
| Coliforms/g | <1000 | max |
| E Coli/g | <10 | max |
| Yeast & Mould | 1000 | max |
| Salmonella / 25g | Absent | |

NUTRITIONAL

Typical values per 100gm Calculated from Raw Material Data

| | | |
|---------------|---------|------|
| Energy | 292.99 | Kcal |
| | 1230.56 | kJ |
| Protein | 7.23 | g |
| Carbohydrate | 62.80 | g |
| as Starch | 36.72 | g |
| as Sugar | 17.05 | g |
| Fat | 1.43 | g |
| Saturated | 0.39 | g |
| Monosaturates | 0.31 | g |
| Polysaturates | 0.18 | g |
| Fibre | 4.44 | g |
| Sodium | 5480.19 | mg |

SENSORY PROPERTIES

| | | | |
|---|---|--------------------------|--|
| Texture | A free flowing powder with particulates | | |
| Visual | Pale | with visual particulates | |
| Odour | Sweet Notes | | |
| Sieve Size | | Metal Detection | |
| 25mm | Ferrous | 3.5mm | |
| | Non Ferrous | 4mm | |
| | Stainless Steel | 4mm | |
| Pack Size | 28 x 340g | | |
| Products are labelled stating product name, D number, Allergens | | | |
| Weight, Batch number and Best Before End date | | | |

Store in a cool and dry condition; keep the pack sealed when not in use. 12 months from date of manufacture if unopened.

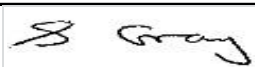
Sample products intended for immediate use .Trial purposes only

LEGISLATION/WARRANTY STATEMENT

All data contained within this document is derived from the product recipe, information received from suppliers of the ingredients contained therein and published data sources, at the date of issue of this specification.
The product is manufactured in accordance with our "due diligence" obligations and current UK and EU legislation, **however due to the nature and complexity of current ingredient manufacture and supply systems, guarantees cannot be given that carry over residues will be totally absent.**

For Dalziel LTD

For Customer

| | | | | | | | |
|---------|---|----------|-------------------------|---------|--|----------|--|
| Signed: |  | | | Signed: | | | |
| Name | Susan Gray | Position | Technical Administrator | Name | | Position | |
| Date | 13/04/2015 | Version | | Date | | | |

Please sign and return the approved document within 28 Days.

If this document is not returned within this time Dalziel will assume acceptance.