



# Certificate of Analysis

<b>Product Description</b>	Turmeric
<b>Product Code</b>	HETURM
<b>Batch No</b>	4512604
<b>Best Before End Date</b>	July 2026
<b>Country of Origin</b>	India

<b>Chemical Parameters</b>	<b>Result</b>
Moisture %	8.26
Volatile Oil %	2.85

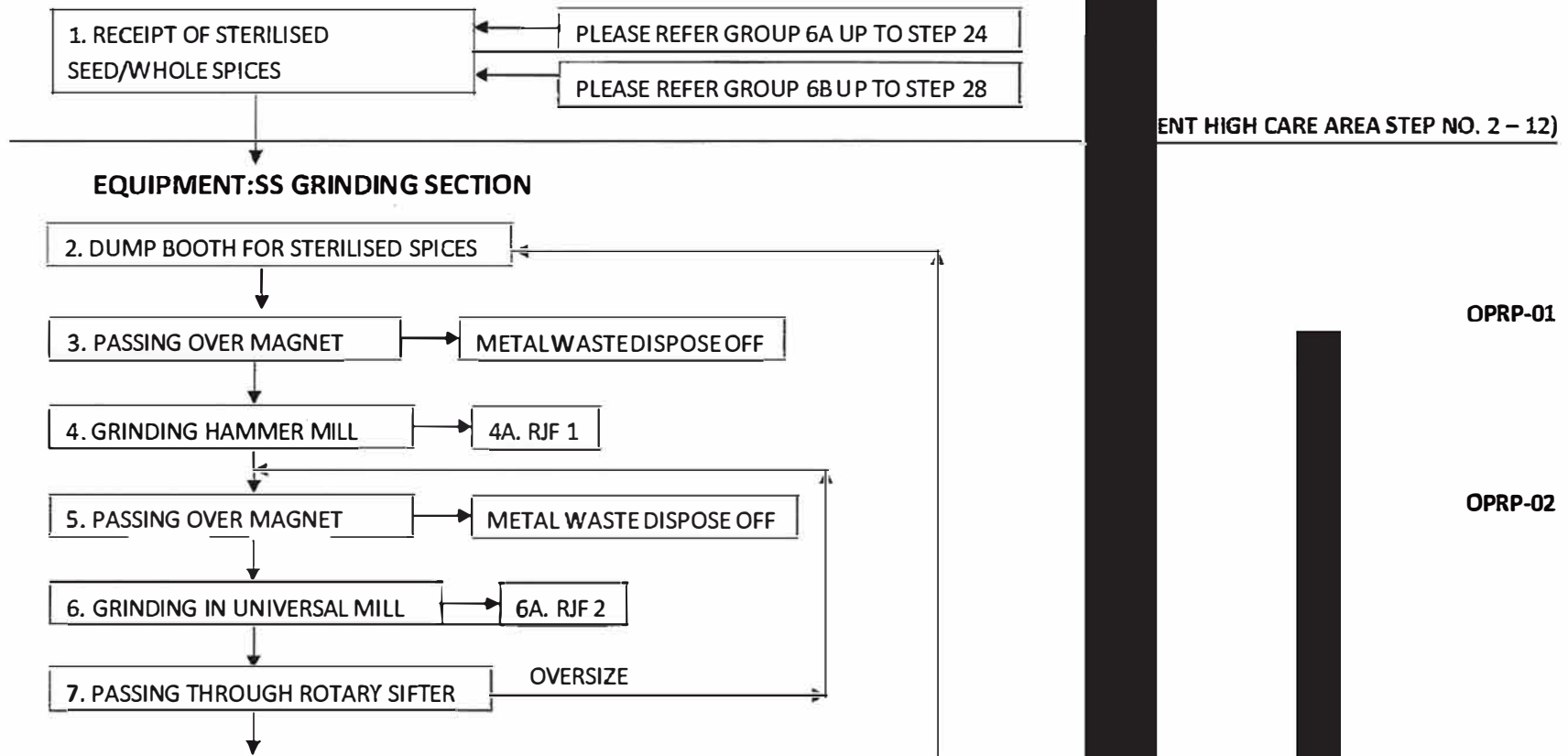
<b>Microbiological Parameters</b>	<b>Result</b>
Total Viable Count cfu/g	1,500
Enterobacteriaceae cfu/g	<10
E.coli cfu/g	Not Detected
Salmonella in 25g	Not Detected
Yeasts cfu/g	20
Moulds cfu/g	20

<b>Additional Testing</b>	<b>Result</b>
Aflatoxin B1 ppb	<5
Aflatoxin Total ppb	<10
Ochratoxin A ppb	<15
Illegal Dyes	< The detectable limits as per TES-AC-663 (UKAS)
Coliforms cfu/g	<10
Staphylococcus Aureus cfu/g	<10
Bacillus Cereus cfu/g	<10
Clostridium Perfringens cfu/g	<10

The information above may have been supplied by an approved supplier and confirms the testing that has been carried out to confirm the product meets the agreed specification. Testing is carried out in the supplier's 'in house' laboratory or is sent for external analysis as appropriate.



**PROCESS FLOW DIAGRAM  
PRODUCT-TURMERIC**

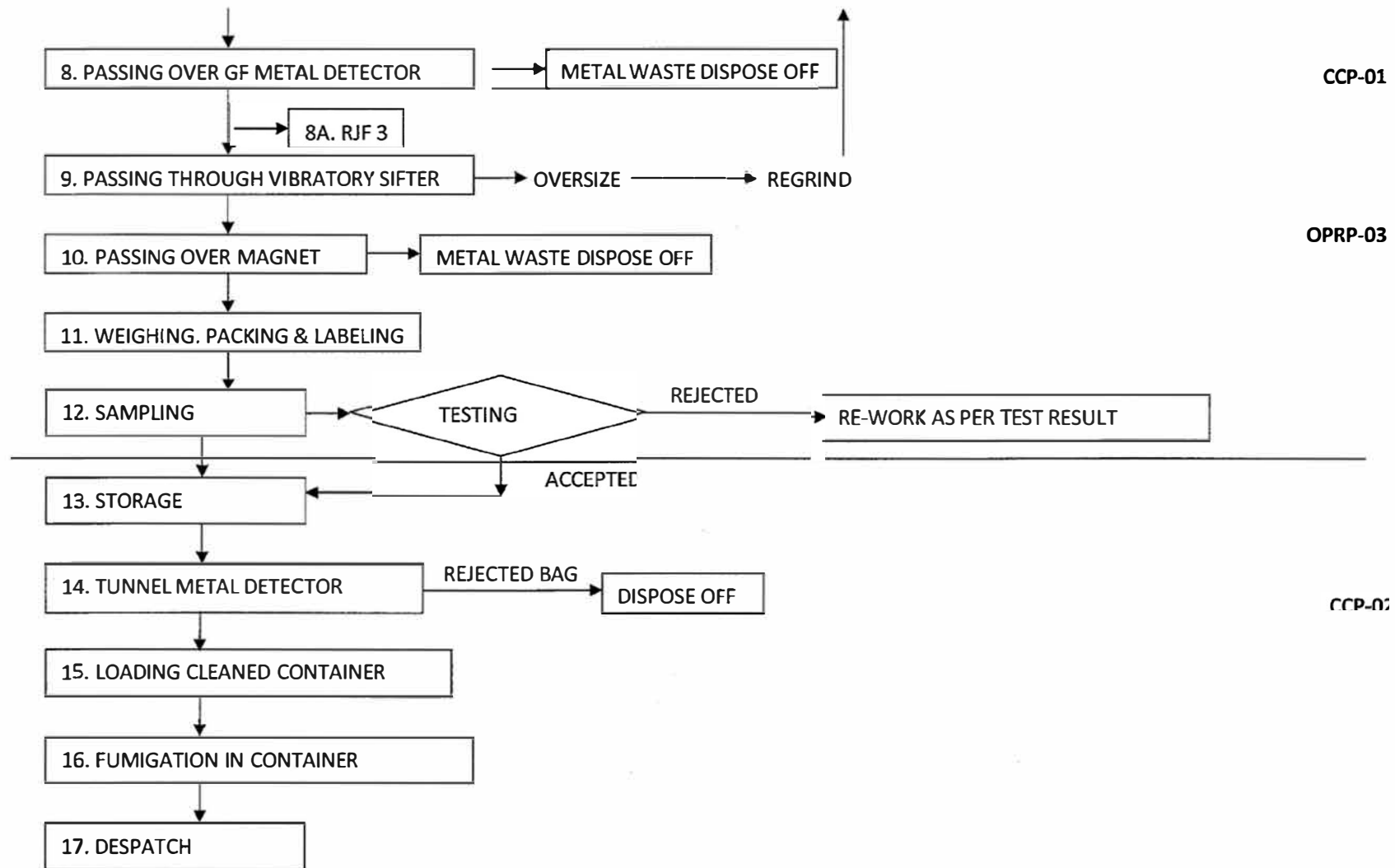


PROCESS FLOW DIAGRAM FOR STERILISED SEED / WHOLE SPICES IN POWDER FORM

REV No. 06

DATE 01/09/2015

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## TURMERIC POWDER

### Genetic Modification Policy Statement

We, MADAR Corporation Ltd, hereby declare that, to the best of our knowledge, the above mentioned material supplied by us does not contain any ingredients from GM sources.

Ingredients are internally sourced by approved suppliers. Information is gathered to give assurances that genetically modified organisms are not part of the supply chain. This gives confidence that products JustIngredients purchases are grown and sold as GM free, however we cannot guarantee absolute freedom from adventitious contact with GM materials, which are out of our control

Customers will be alerted immediately of any GM issues relating to products supplied

## Turmeric Powder - Material Safety Data Sheet

1. Information about the product	The dried and ground roots of Curcumin longa
2. Product Code	HETURM
3. Composition	Turmeric
4. Flavour and Odour	Pungent, well known earthy and characteristic
5. Appearance	Vivid yellow fine free flowing powder
6. Information about the supplier	<p>Madar Corporation Limited            19 - 20 Sandealth Industrial Estate            Fordingbridge            SP6 1PA            Telephone: 01425 655 555            E-mail: technical@madarcorporation.co.uk</p>
7. Hazard identification	<p>Non- hazardous food product in normal usage.            Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation</p>
8. First aid measure	<p>Eyes –wash eyes thoroughly with water.            Skin – wash thoroughly with water and wash all clothes before reuse.            Ingestion – No known hazard, unless large quantities of this material is swallowed.            Inhalation – remove to fresh air</p>
9. Firefighting measures	Normal firefighting precautions. Use of conventional extinguishers i.e. ABC fire extinguisher, CO 2 extinguisher, foam extinguisher
10. Accidental release measures	Use respiratory protection. Clean up spillage and remove to waste container. Clean area with water
11. Handling and storage	Store in a dry place, keep away from heat. Avoid excess moisture. Take precautions, wear gloves and a mask. Avoid contact with skin and eyes
12. Exposure controls/ personal protection	Safety glasses and mask may be required. Gloves should be worn. Ensure good ventilation of the work situation. Normal work hygiene practices
13. Stability and reactivity	The product is stable. Do not expose to direct sunlight
14. Toxicological information	Not toxic. Routes of entry - Inhalation. Ingestion

15. Ecological information	Easily Degradable
16. Disposal considerations	Dispose in line with local regulations
17. Transport information	By road, rail, ship, air in clean and sound condition and full covered or airtight containers to protect from moisture, insects, and rodents. Can cause taint but not classified as dangerous so no hazard label required. Ensure materials are securely stacked
18. Regulatory information	None known
19. Other information	None



## Tumeric Powder - Product Specification - HEAT TREATED

<b>PRODUCT INFORMATION</b>	
Product Description	The dried and ground roots of Curcumin longa
Product Code	HETURM
Ingredient Declaration	Turmeric
Flavour and Odour	Pungent, well known earthy and characteristic
Appearance	Vivid yellow fine free flowing powder
Country of Origin	India/ Peru/ Myanmar/ Ethiopia/ Vietnam

<b>PRODUCT PROFILE</b>	
Particle Size	95% to pass through a 250-600 micron sieve
Extraneous Matter %	<1
Foreign Matter %	<1
Metal Detection (minimum)	Ferrous: 2.0mm, Non-Ferrous: 2.5mm, Stainless Steel: 2.5mm
Moisture %	<12
Total Ash %	<10
Acid Insoluble Ash %	<2.5
Curcumin Content %	2.3 min
Volatile Oil %	1 min
Aflatoxin B1	<5 (µg/kg)
Aflatoxin B1 + B2 +G1+G2	<10 (µg/kg)
Ochratoxin	<15 (µg/kg)
Pesticides & Heavy Metals	Meets EU Regulations

<b>MICROBIOLOGICAL - MAXIMUM LEVELS ACCEPTED</b>	
Total Viable Count /g	<100,000
E Coli /g	<10
Enterobacteriaceae /g	<100
Salmonella /25g	Negative in 25g
Yeasts and Moulds /g	< 100

<b>ADDITIONAL TESTING</b>	
Illegal Dyes	Meets EU regulations



## Tumeric Powder - Product Specification - HEAT TREATED

NUTRITIONAL INFORMATION / 100G	
Energy kcals	312
Energy kJ	1305
Protein (g)	9.68
Fat (g)	3.25
of which Saturates (g)	1.838
Carbohydrate (g)	67.14
of which Sugars (g)	3.21
Fibre (g)	22.7
Sodium (mg)	27
Salt (g)	0.0675

INTOLERANCE AND ALLERGEN INFORMATION	
<p><b>Key: ✓ Indicates where a product is an allergen or where an allergen has intentionally been added to the final product.</b></p>	
Cereal/Wheat products	
Nut and nut products	
Peanuts and products thereof	
Soybean and products thereof	
Sesame seed and products thereof	
Mustard and products thereof	
Milk and Dairy Products	
Products containing Sulphur dioxide and sulphites >10mg/kg	
Animal products	
Celery and products thereof	
Molluscs (including squid and octopus)	
Seafood and shellfish	
Egg products	
Fish and fish products	
Lupin (ie leguminous plants, lupin flour)	
Colours	
Flavourings	
Preservatives	





## Tumeric Powder - Product Specification - HEAT TREATED

### ALLERGEN STATEMENT

Madar Corporation Limited supplies a range of products that are internationally sourced from approved suppliers. Information is gathered from all suppliers to enhance knowledge of the product and supplier handling procedures.

The following products which are or may contain allergens are regularly handled by Cotswold Ingredients and their approved suppliers. Handling procedures are in place to reduce the likelihood of allergens being present, but we cannot guarantee our ingredients are totally free of traces in the products supplied. If in doubt, please email/

- Cereals containing gluten (wheat, rye, barley, oats, spelt, kamut and their hybrid strains)
- Peanuts
- Soybeans
- Nuts
- Celery
- Mustard
- Milk and dairy products
- Sesame seeds
- Products containing sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10mg/litre expressed as sulphur dioxide.

ADDITIONAL INFORMATION	
<b>Key: ✓ Indicates that the product is suitable or certified. For further details on the specific certifications of each product, please email.</b>	
Vegetarian (Suitable)	✓
Vegan (Suitable)	✓
Organic (Certified)	
Kosher (Suitable)	✓

Storage & shelf life	
Shelf Life	Typical shelf life is 2 years.
Storage	Store in cool dry conditions away from direct sunlight
Labelling	Product name, Weight. Batch/lot code. Best before date. Allergen information as applicable



## **Tumeric Powder - Product Specification - HEAT TREATED**

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### **PESTICIDE STATEMENT**

Madar Corporation Limited do not knowingly supply material containing pesticide residues above the legal maximum residue levels (MRL's), Codex recommendation or at a level that could cause a food safety risk under the Food Safety Act. Suppliers risk assess the materials supplied to Cotswold Ingredients and where a pesticide issue is considered a risk the supplier arranges applicable testing and issuing of results before the materials are accepted by Cotswold Ingredients. Where pesticide residues are assessed as 'low risk' the supplier may carry out random testing.

All our Organic products are certified by the Soil Association. EU law defines the minimum standards for organic products that are produced, manufactured, imported into, sold or traded within the EU - in the Organic Regulation. In many areas, the Soil Association's standards are stricter and exceed these EU standards.

### **HEALTH & SAFETY**

A non-hazardous product if used under normal circumstances. If you are unsure of the suitability of our product for your specific use, you should not use and seek further information from our technical team

### **HEAT TREATMENT**

This product has been heat treated by the manufacturer to reduce the microbiological levels within the product. The temperature and period of heat treatment varies depending on the nature of the product and as a consequence, analytical results may vary from batch to batch. This product is not sterile. Buyers should seek further information from our technical team by emailing. We will not accept responsibility for the incorrect application of products which result in final products being rejected.

### **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 receiver 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 use in production or resale to 3<sup>rd</sup> parties in original state or as a blend.

### **TERMS OF SALE**

All sales are subject to our terms and conditions.