

Glentworth Formulations
 Unit 1A Junction 2 Industrial Estate
 Demuth Way
 Oldbury
 B69 4LT
 Phone 0121 729 6508
 E-mail: enquiries@glentworthformulations.com
 Website: www.glentworthformulations.com



Product Specification Certificate

Item Name	50:1 Turmeric Extract (95% Curcuminoids) (Femas)
Product Code	027
Batch Number	8225-2277-230067
Manufacture Date	02/23
Specification Details	
Identification (TLC)	Positive
Assay/Actives (HPLC)	Total Curcuminoids Min 95%
Appearance	Granular
Colour	Orange Yellow (**)
Aroma	Characteristic
Flavour	Characteristic
Please Note The Colour Of This Natural Material Could Be Subject To Slight Change Due To Many Factors such As Seasonal Variations.	
Sieve Analysis % Passed	Min 95% Pass 20 Mesh Max 25% Pass 80 Mesh
Loss On Drying	Max 2%
Ash	Max 1%
Bulk Density	0.4-0.7g/ml
Tapped Density	0.5-0.9g/ml
Impurities/Residual Solvents	Meets EU Limits
Microbiological Limits	
Total Viable Count	Max 1,000cfu/g
Yeasts & Moulds	Max 100cfu/g
E.Coli	Negative/10g
Salmonella	Negative/25g
Coliforms	Negative/10g
Staphylococcus aureus	Negative/10g
Heavy Metal Materials	
Total Heavy Metal Metals	Max 10ppm
Lead (Pb)	Max 1ppm
Cadmium (Cd)	Max 1ppm
Mercury (Hg)	Max 0.1ppm
Arsenic (As)	Max 1ppm
Additional Technical Information	
Raw Material Full Botanical/ Chemical Name	Curcuma Longa L.
Part Used	Root & Rhizomes
The Material Is Food Grade	Yes
Ratio Of Material	50:1
FEMAS Assured	Yes
Solvent Used	Extract By Ethyl Acetate And Purified By Ethanol
Cultivated / Wild	Cultivated
Harvest Method	Manual
Harvest Period	December To March
Harvest Stage	1 Year
Country Of Origin	China
Country Of Manufacture	China
Solubility In Alcohol	Partially Soluble In Alcohol
Solubility In Water	Insoluble In Water

CAS NUMBER	458-37-7 (Curcumin)- 249939-17-1 (Demethoxy Curcumin) – 24939-16-0 (bisdemethoxy Curcumin)		
EC / EINECS Number	207-280-5 (Curcumin)		
Shelf Life From Date Of Manufacture	Min 3 Years		
Pharmacopeia Standard Used	USP / CP		
Suitable For Vegetarians?	Yes		
Suitable For Vegans?	Yes		
Storage Conditions	This Material Is To Be Stored In A Tightly Sealed Bag/Container And To Be Kept In A Cool Place Away From Moisture And Direct Sun		
Allergens	Product Contains YES/NO	Listed Item On Site At Manufacturer YES/NO	Where Applicable is there risk of cross-contamination? YES/NO
Peanuts And Peanut Derivatives (Including Possible Cross Contamination)	No	No	N/A
Nut and Nut Derivatives (Almond,Hazelnut,Walnut,Cashew,PeacanNut BrazilNut, PistachioNut, Macadamia And Queensland Nut)	No	No	N/A
Sesame Seeds and Sesame Seed Derivatives	No	No	N/A
Milk And Milk Derivatives	No	No	N/A
Egg And Egg Derivatives	No	No	N/A
Cereals And Derivatives Containing Or Potentially Contaminated With Gluten (Wheat, Wheatgrass, Faro, Freekeh, Spelt, Kamut, Rye, Oats, Barley, Barleygrass)	No	No	N/A
Soya And Soya Derivatives	No	Yes	NO
Lupin And Lupin Derivatives	No	No	N/A
Celery Or Celery Derivatives	No	No	N/A
Fish And Fish Derivatives	No	No	N/A
Molluscs and Their Derivatives	No	No	N/A
Sulphur Dioxide And Sulphites (E220, E228) At Levels > 10mg/kg Or 10mg/litre	No	No	N/A
Additives / Contaminants / Dietary Requirements / Intolerances			
Additives / E Numbers	No	No	N/A
Antioxidants	No	No	N/A
Ethylene Oxide	No	No	N/A
Gelatine	No	No	N/A
Flavouring (Artificial / Nature identical / natural / smoked)	No	No	N/A
Maize / Corn And Any Derivatives	Yes	Yes	Starch Used As Carrier
Legumes / Pulses	No	No	N/A
Rice And Rice Derivatives	No	No	N/A
Added Salt	No	No	N/A
Added Sugar / Artificial Or Natural Sweeteners	No	No	N/A
Aspartame	No	No	N/A
BHA / BHT (E200, E203)	No	No	N/A
Any Other Preservatives	No	No	N/A
Ethanol	Yes	Yes	N/A
Honey	No	No	N/A
Lactose	No	No	N/A
Yeast And Yeast Derivatives	No	No	No
All Animal Products (Beef,Pork,Poultry or other) And Derivatives (Which may include growth/yield hormones , antibiotics Etc)	No	No	N/A
Bovine Products or derivatives (Which may include growth/yield hormones, antibiotics etc.)	No	No	N/A

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Product Specification Certificate

Item Name	Black Pepper Extract 4:1 (Piper nigrum)	
Product Code	027	
Batch Number	8225-2277-230067	
Manufacture Date	02/23	
Test	Specification	Result
Extract Ratio	4:1	4:1
GMO	Free	Conforms
BSE/TSE	Free	Conforms
Characteristics	Light Yellowish Powder	Conforms
Particle Size	100% through 60 mesh	Conforms
Bulk Density	0.30 – 0.70 gm/ml	Conforms
Loss on Drying	5.00% Max	Conforms
pH	3.0 – 7.0	Conforms
Irradiation	Free	Conforms
Heavy Metals Total	NMT 10.00ppm	Conforms
Lead (Pb)	NMT 3.00ppm	Conforms
Arsenic (As)	NMT 1.00ppm	Conforms
Cadmium (Cd)	NMT 1.00ppm	Conforms
Mercury (Hg)	NMT 0.10ppm	Conforms
Total Plate Count	<1,000cfu/g	Conforms
Total Yeast & Mould Count	<100cfu/g	Conforms
E.Coli	Negative	Conforms
Colliforms	Negative	Conforms
Salmonella	Negative	Conforms
Storage	Store in a well closed container away from moisture	
Shelf Life	3 years if sealed and stored away from direct sun	
Expiration Date	02/26	

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Product Specification Certificate

Product Name	Ginger Extract		
Latin Name	Zingiber Officinale Roscoe		
Batch Code	8225-2277-230067		
Used Part	Root		
Extract Solvent	Water & Ethanol		
Manufacturing Date	02/23		
Analysis	Specification	Results	Method
Extract Ratio	20:1 Min	20:1	Complies
Appearance	Brown Yellow Fine Powder	Complies	Organoleptic
Odour	Characteristic	Complies	Organoleptic
Tasted	Characteristic	Complies	Organoleptic
Particle Size	80 Mesh	100% Pass 80 Mesh	80 Mesh Screen
Loss On Drying	< 5.0 %	3.35%	GB5009.3
Ash (3H At 600c)	< 5.0 %	3.29%	GB5009.4
Heavy Metal	< 10ppm	Complies	GB/T5009
Arsenic (As)	< 1ppm	Complies	GB/T5009
Pb	< 1ppm	Complies	GB/T5009
Cd	< 1ppm	Complies	GB/T5009
Hg	< 0.5ppm	Complies	GB/T5009
Total Of Bacteria	< 1000cfu/g	Complies	GB4789
Total Of Yeast & Mould	< 100cfu/g	Complies	GB4789
Salmonella	Negative	Complies	GB4789
E.Coli	Negative	Complies	GB4789

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Product Specification Certificate

Product:

Turmeric 50:1 50mg eqv. to 2500mg - 95% curcumin
Ginger 20:1 5mg eqv. to 100mg
Black pepper 4:1 eqv. to 20mg

Tablet

Size 8MM

Weight: <273 mg

Active ingredients:

Turmeric 50:1 50mg eqv. to 2500mg - 95% curcumin
Ginger 20:1 5mg eqv. to 100mg
Black pepper 4:1 eqv. to 20mg

Inactive: MCC (Microcrystalline Cellulose) (bulking agent), Dicalcium Phosphate (bulking agent), Silicon Dioxide (anti-caking agent), Magnesium Stearate (anti-caking agent)

Suitable for vegans and vegetarians.

INTERNAL USE ONLY:

Quality Control

Check weighed: Yes

Average Tablet weight: 260mg -Tolerance: +/- 5.0%

De-dusted: YES

Loose/Bulk

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Glentworth Formulations Ltd. are not responsible for your label claims.

Storage: We recommend that you keep this product under the following conditions:

- In a dry place
- away from light,
- at a temperature below 25 ° C.

Under these conditions, the Best Before Date is a minimum of 24 months. However, this shelf life can be modified according to storage conditions.

Manufactured for: Gold Star Health & Wellbeing Ltd

Manufactured by Glentworth Formulations Ltd.

Date:

Signed by Director:

A handwritten signature in black ink, appearing to be the name "A. J. ...", is written below the "Signed by Director:" label.

