



MDA AGROCOT PVT. LTD.
TAKSH COLD CHAIN

A- 501, PRATHMESH HARMONY,
OPP. ORLEM CHURCH,
MALAD WEST, MUMBAI
444 603 (M.S.) India
TEL: +91-721-2561211
FAX: +91-721-2560211
E-mail: tcc@mdaagrocot.com
takshcoldchain@gmail.com

Product specification
Frozen Cauliflower Florets

Pack Size : 4 x 2.5 kg

Origin : India Origin

General : The Product Shall be prepared from fresh raw material that is free from all toxic Residues and taints. The final product shall comply with all current U.K and E.C. food Legislation.

INGREDIENTS : Cauliflower : 100% Declare as : Cauliflower (Brassic Oleracea)

PROCESSING : Cauliflower is delivered fresh from the farms at the factory, each load is sampled and assessed for foreign material and physical defects. The load is then cleaned, frozen and filled into bulk palletainers. The product are sampled and assessed against specification.

Packing : During packing, the cauliflower florets are inspected before weighing and filling into cartons. Cartons are printed with product description, production code and best before end declaration, sealed, palletized and stretch-wrapped before being returned to store at -23°C to await Dispatch.

QUALITY CONTROL : Check are carried out on the following

Processing : - Raw material
Final product
Temperature

Packing : - Metal detection
Check weighing
Final product physical defect levels
Organolepsia
Case quantity
Case sealing
Case coding and print quality

DEFECT TOLERANCES : Product shall be checked at least hourly against the following tolerances for defects;



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1000g sample

Clumps : 6%w/w
Foreign material : Nil
EWM : 1

300G Sample : major Blemishes 5

Total Blemishes (Major & Minor) : 18
Color variants : 3%w/w
Fibrous root : 6
Oversize : 3%w/w
Undersize : 5%w/w

DEFINATIONS OF DEFECTS

Clumps

These are frozen cauliflower welded together to such an extent that they cannot be separated without causing damage to the product.

Foreign material

This includes any material not derived from the cauliflower plant or defined as EVM , such as insects, Pieces of insects, wood, glass, stone, metal, sand, girt, plastic, or any other material which will render the product unacceptable.

Extraneous vegetable matter (EVM)

This includes any vegetable material other than cauliflower florets which is derived from the cauliflower plant, or other harmless vegetable matter such as brown scale leaves, but excludes fibrous.



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Major Blemish

A major blemish is a yellow or pale discolored area equal to or greater than an equivalent circle 6mm in a diameter, either as a single blemish or as an aggregate of blemishes on the same die

Minor Blemish

A minor blemish is a pale or yellow discoloration equivalent to a circle of between 2mm and 6mm diameter on the same die. Blemishes less than 2 mm in diameter shall be ignored.

Color Variants

These are pieces which are conspicuously different in color from the majority of the sample. Variants include any piece with purple coloration or noticeable grey tints, and very deep yellow or deep green dice.

Fibrous root

These are florets with tough stem or fibrous roots attached.

Oversize

Pieces that are larger than 1 ½ times the declared size in any one or more dimensions.

Undersize

Pieces that are less than 3 mm in any dimension.

ORGANOLEPSIA

COLOUR

Shall have a uniform white or cream color. May have very slight pale Yellow tints.

FLAVOUR

Full, natural and characteristic cauliflower florets flavor.
FROZEN cauliflower florets shall be uniformly firm and

TEXTUE

tender.



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MICROBIOLOGICAL

Organism	Target	Maximum
T.V.C @ 30°C	1×10^5	1×10^6
Total Coli forms	1×10^3	5×10^3
E.coli	1×10^1	2×10^1
Yeasts & Moulds	1×10^3	5×10^3
Staph aureus	1×10^1	1×10^2
Salmonella	Absent in 25g	Absent in 25g
Listeria sp.	Absent in 25g	1×10^2

ANALYTICAL

Blanched product at 85-90 degree Celsius

WEIGHT CONTROL

The product shall be packed to minimum weight

METAL DETECTION

All cartons shall be passed through a metal detector.
The
T system shall be Tested at least hourly using 3.5 mm
ferrous and 3.5mm non-ferrous & 4.5mm stainless steel test
pieces.

CODING

Best before end Shall be twenty four months

month of
Packing e.g if packed in May 2014 then BEST
BEFORE
END MAY 2016



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Production / Traceability code Four figure international
date code
(Year number,Day number) plus factory identification
code and shift
Code e.g product packed I January 2008= 8001

**PACKET
LINERS**

WHITE transparent food grade virgin polythene
liner of a
minimum thickness of 100
u.m

CARTONS

Corrugated fiberboard of glued construction, no
metal
sample to be used . shall be sealed using
adhesive
tape.



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GMO DECLARATION

Does the product, or any of its ingredients contain any genetically Modified Material (Whether viable or not)?
YES / NO

Is the product or any of its ingredients not Substantially Equivalent as a Consequence of the use of genetic modification? **YES / NO**

Is the product or any of its ingredients produced from, but not containing Any genetically modified material?
YES / NO

Have genetically modified organisms been used as processing aids Or additives used in connection with the production of the food or any Of its ingredients? **YES / NO**

Have genetically modified organisms been used to produce by processing aids Or additives but where such genetically modified organisms are not present in The processing aid as used in connection with the production of the food or any of Its ingredients? **YES / No**

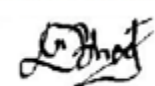
Name: Mr. Darshan Bhoot

Signature: 

IRRADIATION POLICY

I confirm that the product supplied by Mda Agrocot Pvt. Ltd under this specification has not undergone any Irradiation treatment or process. I further confirm that no ingredient or processing and used in conjunction with this product has undergone irradiation treatment.

Name: Mr. Darshan Bhoot

Signature: 

Where any answer is YES, see details below

Product or Material	Details of genetic Modification

I confirm I have made any necessary enquiries and obtained relevant written assurance from suppliers to verify the accuracy of the details provided above. I confirm the above data supplied is correct and can be used without reservation to advice customers



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Food intolerance data

Does the material supplied contain any of the following? (NO) Absent, (YES) Present

ALLERGEN	NO / YES	Reason for presence if YES
Milk & Milk Derivatives		
Egg & Egg Derivatives		
Animal products (*)		
Fish/Shellfish/Coruscation/Mollusks		
Cereals (**)		
Gluten		
Yeast/Yeast extract		
Soya/soya derivatives		
Fruits & fruits derivatives		
Beef & Beef derivatives		
Pork & pork products		
Lamb/lamb products		
Poultry & poultry products		
Legumes		
Peanuts		
Sophie > 10ppm		
MSG		
BHA / BHT		
Benzoates		
Glutamates		
Ago & Coal tar dyes		
Added color		
Added flavor		
Preservatives		
Antioxidant		
Added salt		
Nuts/Nut oils		
Caffeine		
Sesame products		
Garlic		
Poppy seeds		
Mustard		
Celery/Celariae		
Lupins		

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*Including any product derived from slaughtered animals, e.g. Gelatin, rennet **Including

wheat.corn.barley,rye,oats,etc.

Is the material suitable for:

Vegetarians? Y / N

Vegans? Y / N

Kosher? Y/ N

Halal? Y / N

Organic? Y / N

FOOD ADDITIVES

K. Number	Name	In which Ingredient	Function in ingredient	Function in final product	% in final product

PROCESS INFORMATION

PROCESS FLOW CHART
FROZEN CAULIFLOWER FLORETS

Delivery to factory! QA check



Cauliflower cut into florets manually



Florets Washed! CI2 60 ppm CCP1



Inspection



Washed RO water



Inspection



Steam Blanching on belt blancher-cooler



Sprinkle cooling on belt blancher-cooler



Roller (removal of extra water)



Inspection CCP1



Tipping Freezing! -18°C QA Check

↓ Tipping ↓ Inspection CCP2



Carton Fill! QA Check



Check Weight



Metal detection! 3.5mm Fe / 3.5mm non-Fe / 4.5mm stainless steel CCP3



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Palletise
↓
Cold Storage! -23°C
↓
Dispatch! -18°C

CRITICAL CONTROL POINTS:

To include time /temperature/frequency/target and sensitivity of all process steps

CCP Number	Process Step	Controls In Place
CCP1	Chlorine added at 60ppm to minimize microbiological loading Half hourly checks	Lovibond comparator checks.
CCP2	Inspection of the product. Continuous control	To remove foreign material via manual inspection
CCP3	Metal detector efficiency. hourly checks	Testing of detector using certified test pieces of 3.5mm ferrous and non-ferrous, 4.5 mm stainless steel

COSHH Data for frozen vegetables

Treat as you would any frozen material i.e. If engaged handling of the vegetables wear gloves.
Care should be used when lifting full cases of frozen vegetables.
There are no other perceived COSHH implication regarding the use of frozen vegetables

THE CONTENTS OF THIS SPECIFICATION ARE CONFIDENTIAL TO Mda Agrocot Pvt. Ltd AND THE CUSTOMER, AND MAY NOT BE DISCLOSED TO ANY OTHER PARTY.



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