

THE STATE TRADING CORPORATION OF INDIA LTD

(A GOVT. OF INDIA ENTERPRISE)

Jawahar Vyapar Bhawan, Tolstoy Marg, New Delhi 110001

BRANCH OFFICE: BRANCH OFFICE: "STC TRADE CENTRE", 6th Floor, 7/ANandini Layout, Bangalore-560 096

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Notice Ref STC/BNG/KMFN/1509/June-2017-18 Dated:22nd June2017

NOTICE FOR INVITING TENDER FROM EMPANELLED SUPPLIERS FOR SUPPLY OF DRY Fruits & Spices Items at Bangalore.

In order to appoint the backup supplier for supply of Dry Fruits and Spices & Items to M/s Karnataka Co-Op Milk Producer's Federation Ltd (KMF), Bangalore., STC is inviting Highest Percentage of Trade Margin for Each Items specified as per Annexure-II with Quantity Variation- (+/- 25%)from Empaneled Suppliers through Central Procurement Portal (CPP), with validity of offer for 30 days from the date of offer or till the time actual delivery is madewhichever is later.

The tender would be in single bid system i.e. **Technical Bid with Maximum Trade Margin**. The contents of the Technical Bid are listed below:

Contents of Technical Bid:

- a. Undertaking on the Letter Head by the Tenderers participating in the STC Tender No. $\underline{STC/BNG/KMFN/1509/June-2017-18}$ dtd: 22^{nd} June2017 that they are agreeable and abiding by all the Terms & Conditions of KMF Tender No. KMF/2017-18/IND4389 dtd- 12.06.2017.
- b. Proof of EMD Payment (Receipt Challan, UTR No. etc.) against each Item for which Tenderer is participating.
- c. Trade Margin for each item as per attached Annexure- (II)
- d. Undertaking on Letter Head by the Tender participants agreeing to pay 5% towards Security Deposit and also agree to issue an on dated cheque for a value equivalent to 95% of the Contract value in favor of STC on awarding of contract.

TERMS & CONDITIONS:

- 1. The Tenderers will be required to give their valid GST No. along with a copy of the same.
- 2. The Tender would be allotted to H1 bidder who offers the highest Trade margin to STC. However award of contract as back up supplier would be issued only to those parties who offer highest trade margin and also bidding for the maximum quantity of each item as per the specification provided in Section-I (Item Specification) provided below.
- 3. In the event of non-receipt of the offer for full quantity indented by M/s. KMF, STC reserves right to allocate the supply of the balance quantity to the H2 party provided if he agrees to match the H1 trade margin.
- 4. Selected Back-up supplier must agree to all the terms and conditions of M/s. Karnataka Co-Op Milk Producer's Federation Ltd (KMF), Bangalore, tender no KMF/2017-18/IND4389dtd: 12.06.2017.

- 5. The selected Back-up supplier is required to submit their on dated cheque to the extent of 95% of the tender value with undertaking to STC authorizing to deposit the cheque in the event of default in supply.
- 6. All the Tenderers must submit the EMD amount as specified in <u>Schedule of Item wise Requirement Part-A</u> below. The tenders without proof of EMD submission will be treated as disqualified.
- 7. The EMD with respect to Unsuccessful Tenderer's shall be refunded within 10 days after Tender closing date. No interest is payable on EMD amount.
- 8. In event of STC not being successful in the tender of M/s. KMF, EMD in respect of Backup supplier selected will be refunded within 10 days on receipt of the same from M/s. KMF.
- 9. STC on getting award of tender by M/s. KMF shall intimate the same to successful tenderer. On receipt of which the successful tenderer has to enter into an agreement with STC in a standard format provided by STC. Also the Supplier will have to furnish **Performance Security** payable to M/s. KMF if any on demand. An additional amount equivalent to 5% of the Contract value is payable to STC as security depositby way of Direct Credit to STC's A/c. or in the form of BG for the above supply. The said Performance Security shall be refunded within 30 days after the date of completion of performance obligations and on receipt of the 100% payment from M/s. KMF.
- 10. Undertaking from all the participants that the terms and conditions of M/s KMF are accepted by them and the same shall be complied with.
- 11. All terms and conditions are to be accepted by the back-up supplier.
- 12. **Insurance**:the insurance shall be obtained by the Supplier to an amount equal to **110% of the value of the goods** from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and Strikes.
- 13. **LD Clause:** If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the STC shall, without prejudice to its other remedies under the Contract;STC shall impose a penalty as per KMF Tender Terms & Conditions including forfeiture of EMD, Security Deposit and Deposit of Cheque etc.
- 14. Quality test certificate from repute laboratory shall be furnished for each consignment.
- 15. Quality inspection on receipt of supply will be carried at KMF Factory and same is final and binding. Payment will released on satisfactory quality report issues by KMF Laboratory.
- 16. The selected bidder will be called for quotation of each item separately. The same has to be submitted in the prescribed format providing Price break up such as (Basic Price, Duties & Taxes, Insurance and Freight etc.)
- 17. Delivery should be made on the respective selected points i.e. (NMP unit, KMF Circle, Bangalore).
- 18. The bidder has to give an undertaking that he shall not directly participate in the above referred tender directly, while applying through STC.

OTHERS TERMS & CONDITIONS:

- 1. Upon awarding of the tender to STC the back-up supplier will have to execute contract on a Stamp paper of INR. 200/- with STC within the stipulated time.
- 2. STC reserves the right to extend the contract for a period of 90-120 days from the date of expiry of contract, for such extension the Contract price, terms and conditions shall remain unaltered.

- 3. As per KMF tender conditions 80 % Payment shall be paid on receipt of the goods at site and upon submission of the documents as per PO terms within 15 days and balance 20% payment will be made within 30 days on confirmation of quality by KMF lab. No advance payment would be released for such supply. However payment shall be released only on receipt of payment from M/s. KMF.
- 4. Signed copy of the tender document may please be uploaded as token of acceptance of the said tender. Quotes received other than CPP portal shall not be accepted.
- 5. In the event of tender being cancelled wholly or partly by M/s. KMF. STC shall also cancel the tender on the Backup supplier to the extent and STC shall not except any claim on this account for cancellation of the tender wholly or partly.
- 6. In the event of any quality rejections, the tenderer should replace the quantity at their own expenses and STC shall be indemnified from any quality claims if arise later.
- 7. All other terms & conditions remain same as per KMF Tender No. KMF/2017-18/IND4389 dtd: 12.06.2017.

IMPORTANT DATES & TIME:

Download of Tender Documents : 22.06.2017 at 17:00:00 Hours
Last Date and Time for submission : 28.06.2017 at 17:00:00 Hours
Time and date for Bid Opening : 29.06.2017 at 12:00:00 Hours

Place of opening of tenders : STC Bangalore

THE LAST DATE FOR RECEIPT OF QUOTATIONS THROUGH CPP IS BEFORE 17:00:00 HOURS ON 28th JUNE 2017.

SCHEDULE OF ITEMWISE REQUIREMENTS, EMD & SECURITY DEPOSIT DETAILS PART – A

1. The State Trading Corporation of India Ltd, Bangalore invites tenders from eligible empanelled tenderers for the supply of the item(s)/ goods as listed below: (For 3 month requirement)

| Sl. | Description | Quantity in kgs. | EMD in | Security |
|-----|------------------|------------------|----------|--------------|
| No | | | Rs | Deposit |
| 1 | CASHEW NUTS | 12000 | 250000/- | |
| 2 | BADAM SEEDS | 4000 | 65000/- | 5% |
| 3 | CARDAMOM /ELACHI | 600 | 25000/- | Contract |
| 4 | PISTA | 250 | 8000/- | ual Value |
| 5 | SAFFRON | 3 | 7000/- | v aruc |

(Sample Submission: Not Applicable)

<u>Note:</u> Supplies for any particular item in each schedule of the tender should be from one manufacturer only. Tenders from supplier from different manufacturers for the same item will be treated as non- responsive.

ANNEXURE-II (Trade Margin)

| | DATE |
|---|------|
| From | |
| | |
| | |
| | |
| To | |
| The State Trading Corporation Of India Ltd, | |
| STC Trade Centre, 6 th Floor, No. 7/A, Nandini Layout, | |
| BANGALORE-560096. | |
| Sir, | |
| Sub: Submission of Trade Margin- Reg. | |

With reference, I / We herewith submitting my / our Tender for supply of Items with Trade Margin as mentioned

Ref: IFT NO. KMF/NMP/E-Proc./Tender-20/2017/ Date: 05.06.2017

below:

| Sl. | Item Description | Tender Quantity | Quantity | Offered |
|-----|------------------|-----------------|----------|---------|
| No | | in kgs. (For 3 | Offered | Trade |
| | | Months) | in Kgs. | Margin |
| | | | | (%) |
| 1 | CASHEW NUTS | 12000 | | |
| 2 | BADAM SEEDS | 4000 | | |
| 3 | CARDAMOM /ELACHI | 600 | | |
| 4 | PISTA | 250 | | |
| 5 | SAFFRON | 3 | | |

CERTIFICATE

I/We hereby once again confirm that, I / We have thoroughly studied the Tender Document and understood the tender conditions, tender specification, details of goods required, I / We fully understand the nature of item I / We quoted for the quantity and specification of the same. My / Our offer to supply the stocks is strictly in accordance with this requirement. I / We hereby agree that, the decision of Branch Manager, STC Bangalore shall be final in any disputes regarding the supply, terms & conditions of this tender.

SIGNATURE OF TENDERER Name & Designation: with seal

SECTION-I

1. SPECIFICATION - CASHEW SPLITS

| Ingredient Name | Cashew splits | | |
|---------------------|--|--|--|
| Physical | • Cashew kernels shall have been obtained through roasting, shelling and peeling | | |
| Characteristics | cashew nuts (Anacardiumoccidntale L.) | | |
| | • The cashew kernels shall be free from foreign matter, living insects, mould, dead | | |
| | insects, insects fragments, rodent contamination, adulterants, melamine, dirt, sand, | | |
| | metal, fibers and added colouring matter. | | |
| | • The cashew kernels shall have uniform size, shape and colour. | | |
| | • The cashew kernels shall have clean, pleasant taste and flavor, free from any rancid/musty/fermentation and any other objectionable smell and taste. | | |
| | Grade designation :- <u>S</u> | | |
| | Trade name :- Splits | | |
| | Colour :- White/ pale ivory or light ash colour | | |
| | Characteristics : - Kernels split naturally lengthwise | | |
| | Broken Kernels %, Max : - 5 | | |
| | Extraneous vegetable matter (m/m) :- Not more than 1.0 percent | | |
| | Damaged/Discolored units (m/m) :- Not more than 2.0 percent | | |
| | Note: | | |
| | 1)Extraneous Vegetable matter: means stalks. Pieces of shells, pits, fibre, peel. | | |
| | 2) Damaged or Discoloured : means units affected by sunburn, scars mechanical injury, discolouration and insects. | | |
| Chemical | Moisture, %, Max. :- 5 | | |
| parameters | Acidity of extracted fat expresses as oleic acid :- Not more than 1.25 percent | | |
| Microbial | Coliform:- Absent in 0.1 g/ml | | |
| Standards | Total Plate count :- Max.40,000/g | | |
| | Staphylococcus aureus :- Absent in 25 g /ml | | |
| | Salmonella :- Absent in 25 g /ml | | |
| | Shigella :- Absent in 25 g /ml | | |
| | Clostridium botulinum :- Absent in 25 g /ml | | |
| | Vibrio Cholera :- Absent in 25 g /ml | | |
| | E.coli :- Absent in 1 g/ml | | |
| | Yeast and Mold:- Positive in Not more than 100count/gm | | |
| Contaminants | Cadmium :- Max. 1.5 ppm | | |
| and Residues | Mercury :- Max. 1.0 ppm | | |
| | Methyl Mercury (Calculated as the element) :- Max. 0.25 ppm | | |
| | Aflatoxin :- Max.10 μg/kg | | |
| | Chlorobenzilate :- Max. 0.2 ppm (shell free basis) | | |
| | Ethion (Residues to be determined as ethion and its oxygen analogue and | | |
| | expresses as ethion) :- Max. 0.1 ppm (shell free basis) | | |
| | Carbendazim :- Max. 0.10 ppm Rangard : May 0.10 ppm | | |
| Intended Shelf life | Benomyl :- Max.0.10 ppm Rest before 12 months from data of positing | | |
| Storage condition | Best before 12 months from date of packing Stored in cool and dry place on HDPE pallets | | |
| Packaging | It should be vaccum packed in LDPE bags, properly sealed tins of food grade or foil | | |
| 1 ackaging | it should be vaccum packed in LD1 L bags, property scaled this of food grade of foll | | |

| | brick pouches with nitrogen gas flushed or any other suitable container. | |
|-------------------|---|--|
| | Pack size: 10 kg Nett | |
| Labelling related | Language: To be used English or Hindi & Local | |
| to food safety & | Each bag shall be suitably marked with the following information. | |
| instructions for | Name & address of manufacture/marketed by (if any) | |
| handling | Weight (Gross/ Net) | |
| preparation and | Expiry/ best before Period, storage condition (if any) | |
| usage | Month & Year of mfg | |
| | Nutritional Information | |
| | lot/batch/code number | |
| | Any information required under FSSAI, Weight & Measures Act | |
| Product | Material should not be in unsealed, damaged or wet condition or with any | |
| logistic/Delivery | foreign matter present. | |
| methods | Carrier vehicle should be free from dust, dirt, any foreign matter as cement, cow | |
| | dung etc& any objectionable smell. | |
| | All material in the carrier vehicle should be placed on a clean tarpaulin & also | |
| | covered properly from top with a tarpaulin. | |
| Acceptance | The product shall confirm to specified Physical characteristics and chemical | |
| criteria | parameters during internal testing. | |
| | The product is accepted based on the COA provided by the supplier and the COA | |
| | shall confirm to the standards set. | |
| | Generally, consignment should not comprise of material of more than 2 batches | |
| | and should be accompanied with respective COA. | |
| | and should be decompanied with respective COA. | |

Reference:1. IS 7750(1975): Cashew Kernels (FAD 10: Processed Fruits and Vegetable Products)

2. Food safety & standards Act 2006, Rules 2011, Regulations 2011.

2. SPECIFICATION - BADAM SEEDS

| Ingredient Name | Badam seeds | |
|----------------------|---|--|
| Variety | First quality, preference will be given for American variety, Dry form and | |
| , carrony | natural brown color preferred. | |
| Physical | • The Almond seeds shall be free from foreign matter, living insects, | |
| characteristics | mould, dead insects, insects fragments, rodent contamination, adulterants, | |
| | melamine, dirt, sand, metal, fibres and added colouring matter. | |
| | The Almond seeds shall have uniform size, shape and colour. | |
| | The Almond seeds shall have clean, pleasant taste and flavour, free from | |
| | any rancid /musty /fermentation and any other objectionable smell and | |
| | taste. | |
| | Extraneous vegetable matter (means stalks. Pieces of shells, pits, fibre, | |
| | peel)(m/m):- Not more than 1.0 percent | |
| | Damaged/Discoloured units (means units affected by sunburn, scars) | |
| | mechanical injury, discolouration and insects)(m/m):- Not more than 2.0 | |
| | percent | |
| Chemical parameters | Moisture shall not be more than 5% | |
| Chemical parameters | Acidity of extracted fat expresses as oleic acid:- Not more than 1.25 | |
| | percent | |
| Microbial parameters | | |
| Microbiai parameters | | |
| | Total Plate count: - Max 40,000 / g Standard count :- Max 40,000 / g | |
| | • Staphylococcus aureus :- Absent in 25g/ml | |
| | • Salmonella :- Absent in 25g/ml | |
| | • Shigella:- Absent in 25g/ml | |
| | • Clostridium botulinum:- Absent in 25g/ml | |
| | Vibrio Cholera :- Absent in 25g/ml | |
| | • E.coli :- Absent in 1g/ml | |
| | Yeast &mould count :- Positive in Not more than 100 count/gm | |
| Contaminants and | Cadmium:- Max.1.5 ppm | |
| Residues | Mercury:- Max.1.0 ppm | |
| | Methyl Mercury (Calculated as the element):- Max.0.25 ppm | |
| | • Aflatoxin:- Max. 15 μg/kg | |
| | • Chlorobenzilate:- Max.0.2 ppm (shell free basis) | |
| | • Ethion (Residues to be determined as ethion and its oxygen analogue and | |
| | expresses as ethion):- Max.0.1 ppm (shell free basis) | |
| | Carbendazim:- Max.0.10 ppm | |
| | Benomyl:- Max. 0.10 ppm | |
| Intended shelf life | Best before 12 months from date packing | |
| Storage condition | Stored in cool and dry place on the HDPE pallets | |
| Packaging | It should be packed in polyethylene bags and vacuum packed in LDPE bags. | |
| | Pack size: 10 kg net | |
| Labelling related to | Language : To be used English or Hindi & local | |
| food safety & or | Each bag/box shall be suitably marked with the following information. | |
| instructions for | Name & address of manufacture/marketed by (if any) | |
| handling preparation | Weight (Gross/ Net), ingredient | |
| and usage | Expiry/ best before Period | |
| | • month & Year of mfg | |
| | Nutritional Information | |
| | lot/batch/code number | |
| | 1 | |

| | Any information required under FSSAI, Weight & Measures Act. | |
|---------------------|---|--|
| Product logistics/ | Material should not be in unsealed, damaged or wet condition or with any | |
| delivery methods | foreign matter present. | |
| | • Carrier vehicle should be free from dust, dirt, any foreign matter as | |
| | cement, cow dung etc& any objectionable smell. | |
| | All material in the carrier vehicle should be placed on a clean tarpaulin & | |
| | also covered properly from top with a tarpaulin. | |
| Acceptance criteria | • The product shall confirm to physical characteristics and chemical | |
| | parameters during internal testing. | |
| | The product is accepted based on the COA provided by the supplier and | |
| | the COA shall confirm to the standards set. | |
| | • Generally, consignment should not comprise of material of more than 2 | |
| | batches and should be accompanied with respective COA. | |

Reference: 1. Food safety & standards Act 2006, Rules 2011, Regulations, 2011

3. SPECIFICATION - CARDAMOM

| Ingradiant Nama | Cardamom | |
|------------------------------|--|--|
| Ingredient Name | | |
| Physical characteristics | • The capsules shall be light green to brown or pale cream to white when bleached with sulphur dioxide. | |
| | • It shall have characteristic flavour free from foreign odour, mustiness or rancidity. It shall be free from mould, living and dead insects, insect's fragments and rodent contamination. | |
| | • It shall be free from added colouring matter or any other harmful substances. | |
| | Extraneous matter:- Not more than 1.0 % by weight | |
| | • Empty and Malformed capsules by count:- Not more than 3.0 % by count | |
| | • Immature & shrivelled capsules:- Not more than 3.0 % by weight | |
| Charles | • Insect damaged matter:- Not more than 1.0 % by weight | |
| Chemical Parameters | Moisture:- Not more than 13.0% by weight Talal ask as a last basis. Not seem that 2.5 % he asiately | |
| | Total ash on dry basis:- Not more than 9.5 % by weight | |
| N. 1 · 1 | Volatile oil content on dry basis:- Not less than 3.5% by v/w | |
| Microbial parameters | Salmonella:- Absent in 25 g | |
| | Yeast &mould count:- Positive in not more than 100 count/gm | |
| Contaminants and residues | Endosulfan (residues are measured and reported as total of endosulfan | |
| residues | A and A and endosulfan-sulphate):- Max. 1.0 ppm | |
| | Monocrotophos:- Max.0.5 ppm | |
| | • Fosetyl –A1:- Max. 0.2 ppm | |
| | Quinolphos:- Max.0.01 ppm | |
| | Inorganic bromide (determined and expresses as total bromide from all | |
| | sources):- Max.400 ppm | |
| | Aflatoxin:- Max.30 ppb | |
| | Arsenic:- Max. 5.0 ppm | |
| | Cadmium:- Max. 1.5 ppm | |
| T 4 1 1 16106 | Methyl Mercury:- Max. 0.25 ppm | |
| Intended shelf life | Best before 24 months from date of packing | |
| Storage condition Packaging | Store at cool, dry place and away from sun light on the HDPE pallets Cardamom should be packed in LDPE covers/bags. | |
| 1 ackaging | The mouth of the bag should be machine stitched. | |
| | Pack size: 50 kg nett | |
| Labelling related to food | Language: To be used English or Hindi & local | |
| safety & or instructions | Each bag shall be suitably marked with the following information. | |
| for handling preparation | Name & address of manufacture/marketed by (if any) | |
| and usage | Weight (Gross/ Net) | |
| | • Expiry/ best before Period, storage condition (if any) | |
| | Month & Year of mfg | |
| | Nutritional Information | |
| | • Lot/batch/code number | |
| D 1 41 44 43 4 | Any information required under FSSAI, Weight & Measures Act. | |
| Product logistics/delivery | Carrier vehicle should be free from dust, dirt, any foreign matter as | |
| methods | cement, cow dung etc& any objectionable smell. | |
| | All material in the carrier vehicle should be placed on a clean tarpaulin & | |
| | also covered properly from top with a tarpaulin. | |

| | • | Material should not be in unsealed, damaged or wet condition or with any foreign matter present. |
|---------------------|---|--|
| Acceptance criteria | • | The cardamom shall confirm to physical characteristicsand chemical parameter during internal testing. The cardamom is accepted based on the COA provided by the supplier and the COA shall confirm to the standards set. Generally, consignment should not comprise of material more than 2 batches and should be accompanied with respective COA. |

Reference: 1.Food safety & standards regulation,2010

- 2. Food safety & standards Act 2006, Rules 2011, Regulations, 2011
- 3. IS 1907(1984): Cardamom(Capsules and seeds) [FAD9: Spices and Condiments]

4. SPECIFICATION - DESICCATED COCONUT POWDER

| Ingredient Name | Desiccated coconut powder |
|--------------------------|---|
| Product description | Grated Desiccated Coconutmeans the product obtained by peeling, milling and |
| _ | drying the kernel ofcoconut (cocosnucifera). |
| Physical | The coconut powder shall be in the form of shreds. |
| characteristic | The coconut powder shall be white in colour, free from foreign matter, living |
| | insects, mould, dead insects, insect fragments and rodent contamination. |
| | • The coconut powder shall have pleasant taste and flavour, free from rancidity |
| | and evidence of fermentation |
| | • Extraneous Vegetable matter (vegetable matter means fragments of shell, |
| | fibre, peel and burnt particles):- Not more than 15 units/100 gm |
| chemical parameters | Moisture (m/m):- Not more than 3.0 percent |
| | Total Ash (m/m):- Not more than 2.5 percent |
| | Oil Content (m/m):- Not less than 55.0 percent |
| | Acidity of extracted fat expressed as Lauric Acid (m/m):- Not more than 0.3 |
| | percent |
| | Sulphur Dioxide:- Not more than 50.0 mg/kg |
| | Protein :- Min. 7.0 Percent by mass |
| Microbial | Coliform :- Not more than 10/g |
| parameters | Total plate count :- Not more than 40,000 / gm |
| | Escherichia Coli :- Absent in 1 g |
| | Salmonella :- Absent in 25 g |
| | Shigella :- Absent in 25 g |
| | Yeast and Mold:- Positive in not more than 100count/gm |
| Contaminants & | Cadmium :- Max. 1.5 ppm |
| residues | Mercury :- Max.1.0 ppm |
| | Methyl Mercury (calculated as element) :- Max. 0.25 ppm |
| | Aflatoxin :- Max. 30 ppb |
| | Zinc :-Max.50ppm |
| Intended shelf life | Max 6 months from date of packing |
| Storage condition | Store at cool & dry place on HDPE pallets |
| Packaging | It should be packed in polyethylene bags and then packed in HDPE bags. The |
| | mouth of the bag should be machine stitched. |
| | Pack size : 25 kg nett wt. |
| Labelling related to | Language: To be used English or Hindi & local |
| food safety & or | The outer bag must be marked with |
| instructions for | Name & address of manufacture/marketed by (if any) White (Grand No.) |
| handling preparation and | Weight (Gross/ Net) |
| usage | • Expiry/ best before Period, storage condition (if any) |
| usage | Month & Year of mfg Nutritional Information |
| | Nutritional Information Lot/batab/gada number |
| | Lot/batch/code number Any information required under ESSAL Weight & Massures Act |
| Product | Any information required under FSSAI, Weight & Measures Act. Carrier vehicle should be free from dust, dirt, any foreign matter as sement. |
| logistics/delivery | Carrier vehicle should be free from dust, dirt, any foreign matter as cement, courding etc. any objectionable small. |
| methods | cow dung etc& any objectionable smell. |
| | All material in the carrier vehicle should be placed on a clean tarpaulin & also |

| | covered properly from top with a tarpaulin | |
|---------------------|---|--|
| | Material should not be in unsealed, damaged or wet condition or with any | |
| | foreign matter present | |
| Acceptance criteria | The coconut powder shall confirm to physical characteristics and chemical | |
| | parameters during internal testing | |
| | The ingredient is accepted based on the COA provided by the supplier and | |
| | the COA shall confirm to the standards set. | |
| | Generally, consignment should not comprise of material more than 2 | |
| | batches and should be accompanied with respective COA. | |

Reference: 1. Food safety & standards regulation,2010

2.Food safety & standards Act 2006, Rules 2011, Regulations, 2011

5. SPECIFICATION - HYDROGENATED VEGETABLE FAT

| Ingredient name | Interestertified Vegetable Fat | |
|---------------------------|--|--|
| Physical characteristics | • Interestertified Vegetable Fatshall be clear, free from soap, | |
| I hysical characteristics | flavouring substances, rancidity, adulterants, sediments, suspended or | |
| | other foreign matter, separated water and mineral oil. | |
| | It shall not contain any harmful colouring, flavouring or any other | |
| | matter deleterious to health. | |
| | The vegetable fat on melting shall be clear in appearance and shall be | |
| | free from staleness or rancidity and pleasant to taste and smell. | |
| | No anti-oxidant, synergist, emulsifier or any other such substance | |
| | shall be added to it except with the prior sanction of the Authority. | |
| | Texture:- Soft, smooth & free from lumps | |
| | It shall free from flavouring agents | |
| | Taste & Smell:- Pleasant | |
| Chemical parameters | Free fatty acid (as oleic):- Max. 0.1 % | |
| Chemical parameters | Moisture:- Max. 0.05 % | |
| | Melting point:- 28.5 to 40.5° C | |
| | Refractive Index at 40°C:- Min. 1.4580 | |
| | | |
| | Baudouin Test (red units):- Min. 2.0 red | |
| | Vitamin A :- Min.25 IU per gram | |
| | Unsaponifiable matter:- Max. 1.5 5 | |
| Contaminants & | Aflatoxin:- Max 15ppb | |
| residues | Hexane:- Max. 5.0 ppm | |
| | Lead:- Max.0.1 ppm | |
| | Arsenic:- Max. 0.1 ppm | |
| | Nickel:- Max. 1.5 ppm | |
| | Trichlorfon:- Max. 0.05 ppm | |
| | Phenthoate:- Max.0.01 ppm | |
| | Phorate (Sum of phorate, its oxygen analogue an their sulphoxides | |
| | and sulphones, expresses as phorate):- Max. 0.03 ppm | |
| Intended shelf life | Best before 6 months from packing | |
| Storage condition | Store at cool and dry place on the HDPE pallets | |
| Packaging | Vegetable fat to be packed in food grade liners, vacuum packed and | |
| | finally packed in 5 ply corrugated box. The box should be intact and | |
| | secured with BOPP tape. | |
| | Pack size: 15 kg Nett. | |
| Labelling related to food | Language: To be used English or Hindi & local | |
| safety & or instructions | Each box shall be marked with the following information | |
| for handling preparation | Name & address of manufacture/marketed by (if any), | |
| and usage | Weight (Gross/ Net) | |
| | Ingredient | |
| | • Expiry/ best before Period, storage condition (if any) | |
| | Month & Year of mfg | |
| | Nutritional Information | |
| | Lot/batch/code number | |
| | Any information required under FSSAI, Weight & Measures Act. | |
| Product | Carrier vehicle should be free from dust, dirt, any foreign matter as | |

| logistics/delivery methods | cement, cow dung etc& any objectionable smell. All material in the carrier vehicle should be placed on a clean tarpaulin & also covered properly from top with a tarpaulin Material should not be in unsealed, damaged or wet condition or with any foreign matter present |
|-------------------------------|--|
| Acceptance criteria | The Vegetable fat shall confirm to physical characteristics & chemical parameters during internal testing. The vegetable fat is accepted based on the COA provided by the supplier and the COA shall confirm to the standards set. Generally, consignment should not comprise of material more than 2 batches and should be accompanied with respective COA. |

Reference: 1. Food safety & standards regulation,2010

2. Food safety & standards Act 2006, Rules 2011, Regulations,2011

6. SPECIFICATION - SUGAR

| Ingredient Name | Sugar |
|--|--|
| Physical Characteristic | Sugar Plantation White Sugar (Commonly known as sugar) means the grystellized |
| | Plantation White Sugar (Commonly known as sugar) means the crystallized product obtained from Sugarcane or Sugar beet. It shall be free from dirt, filth, iron filings and other extraneous matter and it shall not contain any added colouring matter. |
| Chemical Parameters | Grade- S -30 Loss on drying, percent by weight (when heated at 105±1°C for 3 Hours)- Max. 0.1 Sucrose, percent by weight- Min.99.5 Reducing sugar, percent by weight- Max 0.1 Colour in ICUMSA units,- Max.150 Conductivity Ash, percent by mass- Max. 0.1 Sulphur dioxide (SO2), mg/kg- Max.70 |
| Contaminants and Residues: | Lead, mg/kg (ppm)- Max.5.0 Chromium, μg/kg (ppb)- Max. 20 Methyl Mercury, ppm- Max. 0.25 Aflatoxin, μg/kg- Max. 30 Chlordane (residues to be measured as cis plus trans chlordane), mg/kg (ppm)-Max.0.3 Thiometon (residues determined as thiometon its sulfoxide and suphone expressed as thiometon), mg/kg (ppm)- Max.0.05 Carbendazim, mg/kg (ppm)- Max.0.10 Benomyl, mg/kg (ppm)- Max.0.10 Monocrotophos, mg/kg (ppm)- Max.0.05 Trichlorfon, mg/kg (ppm)- Max. 0.05 |
| Intended Shelf life | Best before 2 years from date of packing. |
| Storage condition | Stored at dry place on the HDPE pallets |
| Packaging | The sugar for use in dairy products shall be packed in polypropylene bags as per IS: 10910 lined with polythene bags from inside. The mouth of the bag shall be machined stitched. Pack size: 50 kg Nett |
| Labelling related to food safety & instructions for handling preparation and usage | Language: To be used English or Hindi & Local Each bag shall be suitably marked with the following information. Name of the material Name and address of factory Net Weight of Sugar Month and Year of Manufacture Batch or code number BEST BEFORE (Month and year to be indicated) Any information required under FSSAI, Weight & Measures Act. In Addition, the manufacture shall also mark at the time of delivery the abbreviation 'FPI' indicating that the quality of this sugar meets the requirement |
| Product logistic/Delivery methods | of the Good Preservation Industry. Carrier vehicle should be free from dust, dirt, any foreign matter as cement, cow dung etc& any objectionable smell. All material in the carrier vehicle should be placed on a clean tarpaulin & also covered properly from top with a tarpaulin. |

| Acceptance criteria | • | The ingredient shall confirm to Physical characteristics and chemical |
|---------------------|---|---|
| | | parameters during internal testing. |
| | • | It is accepted based on the COA provided by the supplier and the COA shall |
| | | confirm to the standards set. |
| | • | Generally, consignment should not comprise of material of more than 2 batches |
| | | and should be accompanied with respective COA. |

Reference:- 1. IS 5982(2003):- Plantation white sugar(FAD 2: Sugar industry)

2. Food safety & standards Act 2006, Rules 2011, Regulations,2011

7. SPECIFICATION - BENGAL GRAM DAL

| Product Name | Bengal gram dal | | | | | |
|----------------------------|---|--------------------|--|--|--|--|
| Product description | Dal Channa (Bengal Gram Dal) shall consist of sp | lit grains of gram | | | | |
| F | (cicerarietinum Linn). | | | | | |
| | It shall be sound, clean, sweet, dry, wholesome and free | | | | | |
| | unwholesome substances. Dhal shall be free from | • | | | | |
| | infestation, rodent contamination and other extraneous matter | | | | | |
| Physical characteristics | • Foreign matter (extraneous matter) :- Not more than which not more than 0.25 % by weight shall be min | | | | | |
| | more than 0.10 % by weight shall be impurities of anim | | | | | |
| | Provided that the total of foreign matter, other edible | • | | | | |
| | grains shall not exceed 7 % by weight. | 8 | | | | |
| | • Other edible grains :- Not more than 2 % by weight | | | | | |
| | • Damaged grains :- Not more than 5 % by weight | | | | | |
| | • Weevilled grains :- Not more than 3 % by weight | | | | | |
| Chemical parameters | • Moisture:- Not more than 16 % by weight (obtain | ned by heating the | | | | |
| | pulverized pulses at 130°C - 133°C for 2 hours) | | | | | |
| | Uric acid:- Not more than 100 ppm | 7D 1 1 14 | | | | |
| Contaminants and | Parameters | Tolerence limit | | | | |
| residues | | mg/kg.(ppm) | | | | |
| | Cadmium | Max.1.5 ppm | | | | |
| | Mercury | Max.1.0 ppm | | | | |
| | Lead | Max 0.2 ppm | | | | |
| | Methyl Mercury (Calculated as the element) | Max. 0.25 ppm | | | | |
| | Aflatoxin | Max. 30 ppb | | | | |
| | Aldrin, dieldrin (the limits apply to aldrin and dieldrin | | | | | |
| | singly or in any combination and are expressed as | Max.0.01 ppm | | | | |
| | dieldrin) | | | | | |
| | Carbaryl | Max. 1.5 ppm | | | | |
| | Chlordane (residues to be measured as cis plus trans | Max.0.02 ppm | | | | |
| | chlordane) | | | | | |
| | Diazinon | Max. 0.05 ppm | | | | |
| | Dichlorvos (content of di-chloroacetaldehyde (D.C.A) | Max. 1.0 ppm | | | | |
| | be reported where possible | | | | | |
| | Fenitrothion | Max. 0.02 ppm | | | | |
| | Heptachlor (combined residues of heptachlor and its | | | | | |
| | epoxide to be determined and expressed as Heptachlor | Max. 0.01 ppm | | | | |
| | Inorganic bromide (determined and expresses as total | Max. 25.0 ppm | | | | |
| | bromide from all sources) | | | | | |
| | Malathion (Malathion to be determined and expressed | Max. 4.0 ppm | | | | |
| | as combined residues of malathion and malaoxon) | | | | | |
| | Phosphamidon residues (expresses as the sum of | Max. 0.05 ppm | | | | |
| | phosphamidon and its desethyl derivative) | | | | | |
| | Pyrethrins (sum of pyrethrins I & II and other | Nil | | | | |
| | structurally related insecticide Ingredients of | | | | | |

| | pyrethrum) | | | |
|----------------------------|---|-------------------------|--|--|
| | Chlorienvinphos | Max. 0.025 ppm | | |
| | Chlorpyrifos | Max. 0.05 ppm | | |
| | 2,4D | Max. 0.01 ppm | | |
| | Ethion (Residues to be determined as ethion and its | Max. 0.025 ppm | | |
| | oxygen analogue and expresses as ethion) | Мих. 0.023 ррш | | |
| | Monocrotophos | Max. 0.025 ppm | | |
| | Paraquat Dichloride (Determined as paraquatcations) | | | |
| | Trichlorfon | Max.0.05 ppm | | |
| | Thiometon (Residues determined as thiometon its | Max.0.025 ppm | | |
| | sulfoxide and sulphone expresses as thiometon) | Max.0.023 ppiii | | |
| | Carbendazim | May 0.50 nnm | | |
| | | Max.0.50 ppm | | |
| | Benomyl | Max.0.50 ppm | | |
| | Carbofuran (sum of carbofuran expresses as | Max.0.10 ppm | | |
| | carbofuran) Decamethrin/Deltamethrin | May 0.50 a | | |
| | Decamethrin/Deltamethrin | Max.0.50 ppm | | |
| | Fenthion (sum of fenthion, its oxygen analogue | Max.0.10 ppm | | |
| | and their sulphoxides and sulphones expresses as | Max.0.10 ppiii | | |
| | fenthion) | | | |
| | Dithiocarbamates | Max.0.20 ppm | | |
| | Phenthoate | Max.0.01 ppm | | |
| | Phorate (sum of phorate, its oxygen analogue and | Max.0.05 ppm | | |
| | sulphones, expresses as phorate) | Max.0.03 ppiii | | |
| | Pirimiphos-methyl | Max.5.0 ppm | | |
| | Oxydemeton Methyl | Max. 0.02 ppm | | |
| Intended shelf life | Best before 4 months from date of packing | Max. 0.02 ppiii | | |
| Storage condition | Stored under cool and dry place from packing | | | |
| Packaging | Bengal gram dhal should be packed in LDPE bags. | | | |
| T dekaging | Pack size: 50 kg net | | | |
| Labelling related to food | Language: To be used English or Hindi & Local | | | |
| safety & or instructions | Each bag shall be suitably be marked with the following | _ | | |
| for handling preparation | Name & address of manufacture/marketed by (if a | nny) | | |
| and usage | Weight (Gross/ Net) Fig. (1) Gross/ Net) | , | | |
| | • Expiry/ best before Period, storage condition (if an | ny) | | |
| | Month & Year of mfgNutritional Information | | | |
| | Lot/batch/code number | | | |
| | Any information required under FSSAI, Weight & | Measures Act. | | |
| Product logistics/delivery | Carrier vehicle should be free from dust, dirt, any formula described in the control of the | | | |
| methods | cement, cow dung etc& any objectionable smell. | | | |
| | All material in the carrier vehicle should be placed. | on a clean tarpaulin & | | |
| | also covered properly from top with a tarpaulin. | 41.1 | | |
| | Material should not be in unsealed, damaged or wet forcing matter property | t condition or with any | | |
| Accentance criteria | foreign matter present. • It shall confirm to physical characteristics and characteristics and characteristics and characteristics. | nical narameters | | |
| Acceptance criteria | It shall confirm to physical characteristics and chen during internal testing. | ncai parameters | | |
| | It is accepted based on the COA provided by the su | pplier and the COA | | |
| | shall confirm to the standards set. | 11 | | |
| | Generally, consignment should not comprise of man | terial more than 2 | | |

| 1 4 1 1 | 1 111 | . 11 | | 70 4 |
|-------------|------------|------------------|---------------|------------------------------------|
| hatches and | chould he | accompanied with | rechective (| $()\Delta$ |
| batches and | siloulu oc | accombanica with | 1 CSDCCH VC V | \sim \sim \sim \sim \sim |

Reference: Food safety & standards Act 2006, Rules 2011, Regulations, 2011

8. SPECIFICATION - PISTA

| Ingredient Name | Pista seeds |
|--|---|
| Physical Characteristics | First quality, dry form and (natural green color preferred) |
| | • Seeds shall be of 'very large sized variety (bold)' and uniform in |
| | size shape and colour. |
| | • It shall be free from shell, foreign matter, living insects, mould, |
| | dead insects, insects fragments, rodent contamination, adulterants, |
| | melamine, dirt, sand, metal, fibers and added colouring matter. |
| | • It shall have clean, pleasant taste and 20 flavour, free from any |
| | rancid /musty /fermentation and any other objectionable smell and taste. |
| Chemical parameters | Moisture :- Not be more than 4.0% |
| Microbial Standards | Coliform- Absent in 0.1 g/ml |
| | • Total Plate count- Max.40,000/g |
| | Staphylococcus aureus- Absent in 25 g /ml |
| | Salmonella- Absent in 25 g /ml |
| | Shigella- Absent in 25 g /ml |
| | Clostridium botulinum- Absent in 25 g /ml |
| | Vibrio Cholera -Absent in 25 g /ml |
| | • E.coli- Absent in 1 g/ml |
| | Yeast and Mold:- Positive in Not more than 100count/gm |
| Contaminants and Residues: | Cadmium- Max.1.5 ppm |
| | Mercury- Max. 1.0 ppm |
| | Methyl Mercury (Calculated as the element)- Max. 0.25 ppm |
| | • Aflatoxin- Max. 10 μg/kg |
| | • Chlorobenzilate- Max.0.2 ppm (shell free basis) |
| | • Ethion (Residues to be determined as ethion and its oxygen |
| | analogue and expresses as ethion)- Max. 0.1 ppm (shell free basis) |
| | Carbendazim- Max. 0.10 ppm |
| | Benomyl- Max. 0.10 ppm |
| Intended Shelf life | Best before 12 months from date of packing |
| Storage condition | Stored in cool and dry place on HDPE pallets |
| Packaging & Transport | It should be vaccum packed in LDPE bags. |
| Labelling related to food | Language: To be used English or Hindi & Local Each has shall be switchly marked with the following information |
| safety & instructions for handling preparation and | Each bag shall be suitably marked with the following information. Name & address of manufacture/marketed by (if any) |
| usage | William (N. O. C. A. C. |
| usage | Weight (Gross/ Net), ingredient Expiry/ best before Period |
| | Month & Year of mfg |
| | Storage condition (if any) |
| | Nutritional Information |
| | Lot/batch/code number |
| | Any information required under FSSAI, Weight & Measures Act. |
| Product logistic/Delivery | |
| methods | · - |
| - IIIVIIVIIV | with any foreign matter present. |
| | Carrier vehicle should be free from dust, dirt, any foreign matter as |
| | cement, cow dung etc& any objectionable smell. |
| | All material in the carrier vehicle should be placed on a clean |

| | tarpaulin & also covered properly from top with a tarpaulin | | |
|---------------------|---|--|--|
| Acceptance criteria | • Th | e ingredient shall confirm to specified moisture, general | |
| | de | scription during internal testing. | |
| | • It i | It is accepted based on the COA provided by the supplier and the | |
| | CC | COA shall confirm to the standards set. | |
| | • Ge | enerally, consignment should not comprise of material of more | |
| | tha | an 2 batches and should be accompanied with respective COA. | |

Reference: Food safety & standards Act 2006, Rules 2011, Regulations, 2011

9. SPECIFICATION - MAIDA

| Ingredient Name | Maida | | |
|----------------------------------|--------|--|---|
| Physical Characteristics | | l wheat flour (Maida) means a fine pr | • |
| | _ | g clean wheat free from rodent hair a | and excreta and blotting or |
| | | g the resulting wheat meal. | |
| | | e material shall be free be free flow | ing, dry to the touch and |
| | | ould not pack when squeezed. e material shall also be creamy in color | r and free from visible bran |
| | | rticles. | and nee from visible brain |
| | - | e Material shall have a characteristic fla | ovor and taste. |
| | | shall be free from insects and f | |
| | CO | ntamination, dirt and any other extraneo | ous matter. |
| Chemical Parameters | | oisture :- Not more than 14.0% | |
| | , | hen heated at 130-133°C for 2 hours) | |
| | | tal ash: Not more than 1.0% by weigh | t |
| | | n dry weight basis) h insoluble in dilute HCL :- Not more tl | han 0.1 % by waight |
| | | n dry weight basis) | nan 0.1 % by weight |
| | | uten: Not less than 7.5% by weight | |
| | | coholic acidity (with 90% alcohol) exp | pressed as H ₂ SO ₄ (on dry |
| | we | eight basis):- Not more than 0.12% | |
| | | the product is to be used for bakery p | |
| | | nt agents in the quantities mentioned | against each may be used, |
| | namely | | |
| | | enzoyl peroxide (Max) :- 40 ppm tassium bromate (Max):- 20 ppm | |
| | | corbic acid (Max) :- 200 ppm | |
| Contaminants and Residues | Sl | Parameters | Tolerance limit |
| | No | | mg/kg(ppm) |
| | 1 | Cadmium | Max.1.5 ppm |
| | 2 | Mercury | Max. 1.0 ppm |
| | 3 | Methyl Mercury (calculated as | Max. 0.25 ppm |
| | | element) | |
| | 4 | Aldrin, dieldrin (the limits apply to | Nil |
| | | aldrin and dieldrin singly or in any | |
| | | combination and are expressed as | |
| | | dieldrin) | |
| | 5 | Carbaryl | Nil |
| | 6 | Chlordane (residues to be measured | Nil |
| | | as cis plus trans chlordane) | |
| | 7 | Diazinon | Nil |
| | 8 | Dichlorvos (content of di- | Max. 0.25 ppm |
| | | chloroacetaldehyde (D.C.A) be | Prince Phin |
| | | reported where possible | |
| | 9 | Fenitrothion | Max. 0.005 ppm |
| | 9 | 1 1 6 111 11 0 11 11 0 11 | |
| | 10 | Heptachlor (combined residues of | Мах. 0.003 ррш |

| | 1 , 11 14 11 1 | M 0.000 |
|----|---------------------------------------|-----------------|
| | heptachlor and its epoxide to be | Max.0.002 ppm |
| | determined and expressed as | |
| | Heptachlor | |
| 11 | Inorganic bromide (determined and | Max. 25.0 ppm |
| | expresses as total bromide from all | |
| | sources) | |
| 12 | Gamma Isomer (known as Lindane) | Nil |
| 13 | Malathion (Malathion to be | Max. 1.0 ppm |
| | determined and expressed as | |
| | combined residues of malathion and | |
| | malaoxon) | |
| 14 | Phosphamidon residues (expresses as | Nil |
| | the sum of phosphamidon and its | |
| | desethyl derivative) | |
| 15 | Pyrethrins (sum of pyrethrins I & II | Nil |
| | and other structurally related | |
| | insecticide Ingredients of pyrethrum) | |
| 16 | Chlorienvinphos | Max.0.006 ppm |
| 17 | Chlorpyrifos | Max.0.01 ppm |
| 18 | 2,4D | Max. 0.003 ppm |
| 19 | Ethion (Residues to be determined as | Max. 0.006 ppm |
| | ethion and its oxygen analogue and | |
| | expresses as ethion) | |
| 20 | Monocrotophos | Max. 0.006 ppm |
| 21 | Paraquat Dichloride (Determined as | Max. 0.025 ppm |
| | paraquatcations) | |
| 22 | Trichlorfon | Max. 0.0125 ppm |
| 23 | Thiometon (Residues determined as | Max.0.006 ppm |
| | thiometon its sulfoxide and sulphone | |
| | expresses as thiometon) | |
| 24 | Carbendazim | Max 0.12 ppm |
| 25 | Benomyl | Max.0.12 ppm |
| 25 | Carbofuran (sum of carbofuran | Max. 0.03 ppm |
| | expresses as carbofuran) | |
| 26 | Cypermethrin (sum of isomers(fat | Max. 0.01 ppm |
| | soluble residues) | |
| 27 | Decamethrin/Deltamethrin | Max.0.20 ppm |
| 28 | Fenthion (sum of fenthion, its | Max. 0.03 ppm |
| | oxygen analogue and their | |
| | sulphoxides and sulphones expresses | |
| | as fenthion) | |
| 29 | Dithiocarbamates | Max. 0.05 ppm) |
| 30 | Phenthoate | Max. 0.01 ppm |
| 31 | Phorate (sum of phorate, its oxygen | Max. 0.01 ppm |
| | analogue and sulphones, expresses as | |
| | phorate) | |
| 32 | Pirimiphos-methyl | Max. 1.00 ppm |
| 1 | · · · | ** |

| Preservative | Sodium diacetate :- Max. 2500ppm | | |
|----------------------------|---|--|--|
| | • Sodium Propionate :- Max. 3200ppm | | |
| | Methyl propyl hydroxyl benzoate :- Max.500ppm | | |
| Intended Shelf life | Best before 45 Days from the date of packing. | | |
| Storage condition | Stored in cool and dry place on HDPE pallets | | |
| | | | |
| Packaging & Transport | The material shall be packed in polyethylene bags and then packed in | | |
| I shalling valeted to food | LDPE bags. | | |
| Labelling related to food | Language: To be used English or Hindi & Local Each has shall be suitably marked with the following information | | |
| safety & instructions for | Each bag shall be suitably marked with the following information. | | |
| handling preparation and | Name & address of manufacture/marketed by (if any) Note: 1.4 (Control of Note) | | |
| usage | Weight (Gross/ Net) | | |
| | Expiry/ best before Period | | |
| | • Storage condition (if any) | | |
| | Month & Year of mfg | | |
| | Nutritional Information | | |
| | Lot/batch/code number | | |
| | Any information required under FSSAI, Weight & Measures Act | | |
| Product logistic/Delivery | Material should not be in unsealed, damaged or wet condition or with | | |
| methods | any foreign matter present. | | |
| | • Carrier vehicle should be free from dust, dirt, any foreign matter as | | |
| | cement, cow dung etc& any objectionable smell. | | |
| | • All material in the carrier vehicle should be placed on a clean tarpaulin | | |
| | & also covered properly from top with a tarpaulin | | |
| Acceptance criteria | The ingredient shall confirm to physical characteristics and chemical | | |
| | parameters during internal testing. | | |
| | • It is accepted based on the COA provided by the supplier and the COA | | |
| | shall confirm to the standards set. | | |
| | • Generally, consignment should not comprise of material of more than | | |
| | 2 batches and should be accompanied with respective COA. | | |

Reference:-

- 1. IS 1009(1979): (Wheat flour) Maida for general purposes (FAD 16: Foodgrains, Starches and Ready to Eat Foods).
- 2. Food safety & standards Act 2006, Rules 2011, Regulations 2011 .

10. | SPECIFICATION - SAFFRON

| Ingredient Name | Saffron(Kesar) |
|--------------------------------|---|
| Physical | SAFFRON (Kesar) means the dried stigma or tops of styles of Crocus Sativus |
| Characteristics | Linnaeus. |
| | • It shall be dark red in colour with a slightly bitter and pungent flavor, free |
| | from foreign odour and mustiness. |
| | • It shall be free from mould, living and dead insects, insect fragments, and |
| | rodent contamination. |
| | It shall be free from added colouring matter. |
| | • Extraneous matter:- Not more than 1.0% by weight |
| | • Floral waste:- Not more than 10.0% by weight |
| Chemical Parameters | • Moisture and volatile matter at 103°C:-Not more than 12.0% by weight |
| | • Total ash on dry basis:- Not more than 8.0% by weight |
| | • Ash insoluble in dilute HCL on dry basis:- Not more than 1.5% by Weight |
| | • Solubility in cold water on dry weight basis:- Not more than 65.0 % by weight |
| | Bitterness expressed as direct reading of absorbance of picrocrocine at about |
| | 257nm on dry basis:- Not less than 30.0% by weight |
| | • Safranal expressed as direct reading of absorbance of 330nm on dry basis:- |
| | Not more than 2.0% by weight |
| | • Coloring strength expressed as direct reading of absorbance of 440nm on dry |
| | basis:- Not less than 20.0% by weight and not more than 50.0% by Weight |
| | • Crude fiber on dry basis:- Not less than 80.0% by weight |
| Mi Lil D | Total Nitrogen on dry basis:- Not more than 6.0% by weight |
| Microbial Parameters | Coliform/g max :- Absent in 0.1 g/ml |
| | Total plate count/g, max:- 40,000 cfu/g |
| | Yeast &mould count/g, max:- 100 cfu/g |
| | Salmonella &Shigella /25 g, max:- Absent in 25g/ml |
| Contaminants and | • Inorganic bromide(determined and expresses as total bromide from all |
| Residues | sources- Max.400ppm |
| | Aflatoxin- Max.30ppb |
| Intended Shelf life | Best before 24 months from date of packing. |
| Storage condition | Stored in a cool & dry dark place away from sunlight. |
| Packaging & | It should be packed in watertight sound and clean packing made of suitable |
| Transport | material that will not affect. |
| Labelling related to | Language: To be used English or Hindi & Local Food has arrhay shall be switchly marked with the following information |
| food safety & instructions for | Each bag or box shall be suitably marked with the following information.Name of the Material |
| handling preparation | |
| and usage | Name & address of manufacture/marketed by (if any) Weight (Gross/Net) |
| una asage | Weight (Gross/ Net)Grade |
| | |
| | Expiry/ best before Period Storage condition (if any) |
| | Month & Year of mfg |
| | Nutritional Information |
| | Lot/batch/code number |
| | Any information required under FSSAI, Weight & Measures Act |
| Product | Material should not be in unsealed, damaged or wet condition or with any |
| logistic/Delivery | foreign matter present. |
| 1081010 Delivery | ioreign matter present. |

| methods | Carrier vehicle should be free from dust, dirt, any foreign matter as cement, cow dung etc& any objectionable smell. Generally, consignment should not comprise of material of more than 2 batches. |
|---------------------|--|
| Acceptance criteria | It shall confirm to specified moisture, general description during internal testing. It is accepted based on the COA provided by the supplier and the COA shall confirm to the standards set. Generally, consignment should not comprise of material of more than 2 batches and should be accompanied with respective COA. |

Reference:

- 1. IS 5453-2(1996, Reaffirmed 2009): Saffron, Part 1: Specification(second revision). ICS 67.220.10
- 2. Food safety & standards Act 2006, Rules 2011, Regulations, 2011

| 10. | SPECIFICATION - ROASTED VERMICELLI |
|-----|------------------------------------|
|-----|------------------------------------|

| Ingredient Name Roasted nylon suji vermicelli | 8 · · · · · · · · · · · · · · · · · · · | Ingredient Name | Roasted nylon suji vermicelli |
|---|---|-----------------|-------------------------------|
|---|---|-----------------|-------------------------------|

Physical Characteristics

- It shall be obtained from suji or maida by kneading the dough, extending and roasting it.
- It shall be free from added colour, rancidity, mustiness, bitterness or any other undesirable taste or odour.
- It shall be free from impurities, any foreign matter, cracks, flaws, mould, insect infestation or other spoilage.
- It shall retain its shape and show no signs of disintegration and shall swell appreciably when plunged into vigorously boiling water and boiled for 10minutes.
- Colour:- Shall be yellow to light brown.
- Texture:- Well roasted uniform thin strands either in straight form or curl form.
- Flavour and Taste:- It shall be crisp and free from rancidity, mustiness, bitterness or any other undesirable taste or odour.

Chemical parameters

- Moisture, Percent by mass, max. :- 11.0
- Total Ash (on dry basis), percent by mass, Max.:- 0.7
- Acid insoluble ash (on dry basis), percent by mass, Max:- 0.05
- Total protein(N x 5.7)(on dry basis), percent by mass, Min:- 10
- Cooking test: total solids in gruel, percent by mass, Max.:- 8
- Free acidity(ml of 1N NaoH solution per 100g of product), Max:- 4

Contaminants and Residues

| SI No | Parameters | Tolerence limit |
|-------|--|-----------------|
| | | mg/kg.(ppm) |
| 1 | Cadmium | Max.1.5 ppm |
| 2 | Mercury | Max. 1.0 ppm |
| 3 | Methyl Mercury (calculated as element) | Max. 0.25 ppm |
| 4 | Aldrin, dieldrin (the limits apply to aldrin and | Nil |
| | dieldrin singly or in any combination and are | |
| | expressed as dieldrin) | |
| 5 | carbaryl | Nil |
| 6 | Chlordane (residues to be measured as cis | Nil |
| | plus trans chlordane) | |
| 7 | Diazinon | Nil |
| 8 | Dichlorvos (content of di-chloroacetaldehyde | Max. 0.25 ppm |
| | (D.C.A) be reported where possible | |
| 9 | Fenitrothion | Max. 0.005 ppm |
| 10 | Heptachlor (combined residues of heptachlor | |
| | and its epoxide to be determined and | Max.0.002 ppm |
| | expressed as Heptachlor | |
| 11 | Inorganic bromide (determined and | Max. 25.0 ppm |
| | expresses as total bromide from all sources) | |
| 12 | Gamma Isomer (known as Lindane) | Nil |
| 13 | Malathion (Malathion to be determined and | Max. 1.0 ppm |
| | expressed as combined residues of malathion | |
| | and malaoxon) | |
| 14 | Phosphamidon residues (expresses as the | Nil |

| | | sum of phosphamidan and its dosathul | |
|--|---|--|---|
| | | sum of phosphamidon and its desethyl | |
| | | derivative) | |
| | 15 | Pyrethrins (sum of pyrethrins I & II and other | Nil |
| | | structurally related insecticide Ingredients of | |
| | | pyrethrum) | |
| | 16 | Chlorienvinphos | Max.0.006 ppm |
| | 17 | Chlorpyrifos | Max.0.01 ppm |
| | 18 | 2,4D | Max. 0.003 ppm |
| | 19 | Ethion (Residues to be determined as ethion | Max. 0.006 ppm |
| | | and its oxygen analogue and expresses as | |
| | | ethion) | |
| | 20 | Monocrotophos | Max. 0.006 ppm |
| | 21 | Paraquat Dichloride (Determined as | Max. 0.025 ppm |
| | | paraquatcations) | iviam cic2s ppiii |
| | 22 | Trichlorfon | Max. 0.0125 ppm |
| | | | |
| | 23 | Thiometon (Residues determined as | Max.0.006 ppm |
| | | thiometon its sulfoxide and sulphone | |
| | | expresses as thiometon) | |
| | 24 | Carbendazim | Max 0.12 ppm |
| | 25 | Benomyl | Max.0.12 ppm |
| | 25 | Carbofuran (sum of carbofuran expresses as | Max. 0.03 ppm |
| | | carbofuran) | |
| | 26 | Cypermethrin (sum of isomers(fat soluble | Max. 0.01 ppm |
| | | residues) | |
| | 27 | Decamethrin/Deltamethrin | Max.0.20 ppm |
| | 28 | Fenthion (sum of fenthion, its oxygen | Max. 0.03 ppm |
| | | analogue and their sulphoxides and | |
| | | sulphones expresses as fenthion) | |
| | 29 | Dithiocarbamates | Max. 0.05 ppm) |
| | 30 | Phenthoate | Max. 0.01 ppm |
| | 31 | Phorate (sum of phorate, its oxygen analogue | Max. 0.01 ppm |
| | | and sulphones, expresses as phorate) | - · · · · · · · · · · · · · · · · · · · |
| | 32 | Pirimiphos-methyl | Max. 1.00 ppm |
| Intended Shelf life | | i i | 1114ж. 2.00 рр. |
| Storage condition | Best before 10 months from the date of packing. Stored in cool and dry place on HDPE pallets | | |
| Packaging & | It should be packed in polyethylene bags and LDPE bags. | | |
| Transport | a should be pucked in porjectly lene bugs and LDI L bugs. | | |
| Labelling related to | Language: To be used English or Hindi & Local | | |
| food safety & | _ | or box shall be suitably marked with the followi | ng information. |
| instructions for handling preparation | | & address of manufacture/marketed by (if any), | |
| and usage | _ | t (Gross/ Net), | |
| | | // best before Period, , storage condition (if any), & Year of mfg, | |
| | | onal Information, | |
| | Lot/batch/code number, | | |
| | | aformation required under FSSAI, Weight & Measure | sures Act |
| Product | | ial should not be in unsealed, damaged or wet co | |

| logistic/Delivery methods | foreign matter present. Carrier vehicle should be free from dust, dirt, any foreign matter as cement, cow dung etc& any objectionable smell. All material in the carrier vehicle should be placed on a clean tarpaulin & also covered properly from top with a tarpaulin |
|------------------------------|---|
| Acceptance criteria | Material shall confirm to Physical characteristics and chemical parameters during internal testing. Material is accepted based on the COA provided by the supplier and the COA shall confirm to the standards set. Generally, consignment should not comprise of material of more than 2 batches and should be accompanied with respective COA. |

Reference:1. IS 1485 (1993): Macaroni, Spaghetti, Vermicelli and Egg noodles [FAD 16: Food grain, starches and ready to eat foods]

Food safety & standards Act 2006, Rules 2011, Regulations, 2011