



AmulFed Dairy

A UNIT OF GUJARAT CO-OPERATIVE MILK MARKETING FEDERATION LIMITED

(PREVIOUSLY KNOWN AS MOTHER DAIRY, GANDHINAGAR)

PURCHASE ENQUIRY

AFD: PUR: ENQ:2023:609

12.08.2023

Dear Sir,

We are in process of finalization purchase order for supply following material to our Dairy

| Sr.No | Materials | Quantity | Supply period |
|-------|----------------|----------|---------------|
| 1 | Kesar(Saffron) | 4.3 kg | 01.09.2023 |

The purchase process will be through online reverse auction. Suppliers who wish to supply the same may participate in our auction provided they get registered themselves on our website <http://afdpurchase.amul.in/>.

Kindly get your self registered on above website and send us sample with test report/COA of above ingredients latest by 19.08.2023 on below address.

Purchase Department
AmulFed Dairy, - A Unit of G. C. M. M. F. Ltd.
(Previously Known as Mother Dairy Gandhinagar)
Plot No: 35, Near Indira Bridge, At & Post: BHAT Village
Ahmedabad – Gandhinagar Highway,
Dist.: Gandhinagar, Pin code: 382 428.

Vendor registration done after 19.08.2023 will not be considered for this auction. Online reverse auction will be carried out among registered bidders only. All terms and condition will be provided to bidders during auction process.

AmulFed Dairy reserve the right of acceptance or rejection of vendor registration and it is purely management discretion and cannot be challenged

NOTE: A line of confirmation after vendor registration is done from your side shall be sent to us on email pn.shelke@amul.coop

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Purchase Department

Incl: Specification



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AmulFed Dairy, Gandhinagar

QA Laboratory

Title: Product Specifications for Saffron (Kesar)

General and Physical Properties:

1. Saffron (Kesar) means the dried stigmas or tops of styles of *Crocus Sativus* Linnaeus. It shall be dark red in colour with a slightly bitter and pungent flavour, free from foreign odour and mustiness. It shall be free from mould, living and dead insects, insect fragments, rodent contamination. The product shall be free from added colouring/flavouring matter.
2. It must be even size and shape.
3. It should be received with Certificate of Analysis
4. It should be passed through metal detector

Chemical Specifications

| Sr. No. | Characteristic | Specification Saffron in Filaments |
|---------|---|---------------------------------------|
| 1 | Moisture and volatile matter, percent by mass, max. | 12 |
| 2 | Total Ash, percent by mass, on dry basis, max. | 8 |
| 3 | Acid insoluble ash, percent by mass, on dry basis, max. | |
| | Grade 1 & 2 | 1.0 |
| | Grade 3 & 4 | 1.5 |
| 4 | Bitterness, expressed as direct reading of the absorbance of Picrocrocin $\Sigma^{1\%}$ at 257nm, on dry basis, min. _{1cm} | |
| | A) Grade 1 | 70 |
| | B) Grade 2 | 55 |
| | C) Grade 3 | 40 |
| | D) Grade 4 | 30 |
| 5 | Safranal (Aroma), expressed as direct reading of the absorbance of Safranal $\Sigma^{1\%}$ at 330nm, on dry basis, _{1cm} | |
| | Minimum | 20 |
| | Maximum | 50 |
| 6 | Coloring strength, expressed as direct reading of the absorbance of Crocine $\Sigma^{1\%}$ at 440nm, on dry basis, min. _{1cm} | |
| | A) Grade 1 | 190 |
| | B) Grade 2 | 150 |
| | C) Grade 3 | 110 |
| | D) Grade 4 | 80 |
| 7 | Total nitrogen, percent by mass on dry basis, max | 3.0 |
| 8 | Solubility in cold water, percent by mass, on dry basis, max | 65.0 |
| 9 | Floral Waste, percent by mass, max | |
| | A) Grade 1 | 0.5 |
| | B) Grade 2 | 4.0 |
| | C) Grade 3 | 7.0 |
| | D) Grade 4 | 10.0 |
| 10 | Extraneous matter, percent by mass, max | |
| | A) Grade 1 | 0.1 |
| | B) Grade 2 | 0.5 |
| | C) Grade 3 | 1.0 |
| | D) Grade 4 | 1.0 |
| 11 | Purity test by TLC | Seems to be pure |



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Microbiological Estimates

| | |
|-------------------|----------------------|
| <i>Salmonella</i> | Absent in 25 gm / ml |
|-------------------|----------------------|

PACKAGING & TRANSPORT

- 1 Saffron should pack in LDPE bags (preferably be vacuum packed). The outer bag/tin/CBX must be marked with Name and address of manufacture/marketed by (if any), 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 and Legal Metrology Act, 2009
- 2 Pack size should be 500g or 1kg
- 3 Material should not be in unsealed, damaged or wet condition or with any foreign matter present.
- 4 Carrier vehicle should be free from dust, dirt, any foreign matter as cement, cow dung etc and any objectionable smell.
- 5 Generally, consignment should not comprise of material of more than 2 batches

Storage Condition

Stored in a cool and dry dark place away from sunlight.

The product shall also conform to any other requirements under the Food safety and standards act, 2006. (Rules and Regulation 2011) and Specification for Saffron (IS: 5453:1996) (Part 1 and 2) (as and when amended)