

A Category Specification

SI.No.1 COCONUT OIL

Sl. no	Parameters	Specification
1.	Description	Clear oil with characteristic smell
2.	Refractive Index	1.448-1.457
3.	Specific Gravity	0.915-0.920
4.	Acid value	Not more than 4
5.	Iodine Value	7-10
6.	Saponification Value	NLT 250
7.	Holde's Test (Mineral oil test)	Negative
8.	Fatty acid profile	As per standard

SI No.2 GINGELLY OIL

Sl. no	Parameters	Specification
1.	Description	A light golden coloured Oil with pleasant aroma Does not solidify when cooled to 0°C.
2.	Refractive Index (at 40°C)	1.4646-1.4665
3.	Specific Gravity	0.915-0.920
4.	Acid value	Not more than 2
5.	Iodine Value	103-116
6.	Saponification Value	188-195
7.	Identification Test	Positive
8.	Holde's Test (Mineral oil test)	Negative
9.	Cotton seed oil	Absent
10.	Fatty acid profile	As per standard

SI No.4 COW MILK

Sl no.	Parameters	Specification
1.	PH	6.5-7.0
2.	Fat %(ByGerbermethod)	3.0-4.0
3.	SNF %	7.5-8.5
4.	Adulterants & detergants	Absent
5.	Preservatives & neutralisers	Absent

SI No.5 COW GHEE

Sl no	Parameters	Specification
1.	Description	Semisolid with granular texture ,light yellow colour with characteristic odour and pleasant taste. Free from animal fats ,wax, mineral oil ,vegetable oils and vegetable fat.
2.	Moisture	Not more than 0.5%
3.	FFA as oleic acid	Not more than 3
4.	Refractive Index	1.450-1.457
5.	Iodine Value	22.7-36.2
6.	Baudouin s test	Negative
7.	RM Value	Not less than 24

SI No.3 JAGGERY

Sl.no	Parameters	Specification
	Physico chemical	
1.	Description	Light brown to dark brown solid with pleasant & characteristic odour. does not show the presence of insects,vegetable debris or fibres when examined in day light with naked eyes
2.	Moisture	Not more than 7%
3.	pH	5-7
4.	Total Sugar	Not less than 90%
5.	Sucrose	Not less than 60%
6.	Extraneous Matter	Not more than 2%
7.	Total Ash	Not more than 6 %
8.	Acid insoluble ash	Not more than 0.5 %
9.	Sulphur dioxide concentration	Not more than 70ppm
	Microbiological	
10.	Total bacterial plate count	Not more than 10^5
11.	Total Yeast & Mould count	Not more than 10^3
12.	Specific pathogens	Absent

B Category Specifications

SI No.1 HONEY

SI no	Parameters	Specification
Physico chemical		
1.	Appearance	Thick, syrupy translucent yellow to yellowish brown fluid. Taste sweet with pleasant odour and flavor. Free from impurities like beeswax, insect fragments, plant debris, mould etc.
2.	Specific Gravity	Not less than 1.350
3.	Moisture	Not more than 25%
4.	Total Reducing Sugar	Not less than 65%
5.	Sucrose	Not more than 5%
6.	Fructose/Glucose Ratio	Not less than 1
7.	Fieche's test	Negative
8	Aniline Chloride test	Negative
9	Acidity	Not more than 0.2 %
10	Ash	Not more than 0.5%
Microbiological		
11.	Total bacterial plate count	Not more than 10^5
12.	Total Yeast & Mould count	Not more than 10^3
13.	Specific pathogens	Absent

SI No.5 GULGULU

SI no	Parameters	Specification
1	Foreign matter	Not more than 4 percent
2	Total Ash	Not more than 5 percent
3	Acid-insoluble ash	Not more than 1 percent
4	Alcohol-soluble extractive	Not less than 27 percent
5	Water-soluble extractive Appendix 2.2.7.	Not less than 53 per cent
6	Volatile oil	Not less than 1 per cent
7	TLC	As per standard

SI No.10 RAKTHACHANDANAM

SI no	Parameters	Specification
1	Foreign matter	Not more than 2 percent
2	Total Ash	Not more than 2 percent
3	Acid-insoluble ash	Not more than 0.3 percent
4	Alcohol-soluble extractive	Not less than 3 percent
5	Water-soluble extractive	Not less than 1 percent
6	TLC	As per standard

The documents to prove the sources of procurement of Raktachandanam are to be attached along with E tender.

C Category Specifications

SI No.10 NAVACHALKAYAM

Sl. no	Parameters	Specification
1	Foreign matter	Not more than 2 per cent
2	Total Ash	Not more than 15 per cent
3	Acid-insoluble ash	Not more than 3 per cent
4	Alcohol-soluble extractive	Not less than 50 per cent
5	Water-soluble extractive	Not less than 50 per cent
6	TLC	As per standard

SI No.15 CASTOR OIL (ORDINARY)

Sl.no	Parameters	Specification
1.	Description	Pale yellowish or almost colourless, transparent ,viscid liquid with characteristic smell. Free from sediments and suspended matter.
2.	Refractive Index	1.470-1.477
3.	Specific Gravity	0.945-0.965
4.	Acid value	Not more than 4
5.	Iodine Value	82-90
6.	Saponification Value	177-187
7.	Holde's Test	Negative

D Category Specifications

SI No.3 SEEMAELAVANGATHOLI

Sl.no	Parameters	Specification
1	Foreign matter	Not more than 2 per cent
2	Total Ash	Not more than 3 per cent
3	Acid-insoluble ash	ash Not more than 2 per cent
4	Alcohol-soluble extractive	Not less than 2 per cent
5	Water-soluble extractive	Not less than 3 per cent
6	Volatile oil	Not less than 1 per cent
7	TLC	As per standard

SI No.4 KANMADAM

Sl.no	Parameters	Specification
	Physico chemical	
1.	Description	Black coloured semi solid free flowing with prominent cow's urine smell
2.	PH	4-5.5
3.	Solubility in water	Partially soluble in water
	Microbiological	
4.	Total bacterial plate count	Not more than 10^5
5.	Total Yeast & Mould count	Not more than 10^3
6.	Specific pathogens	Absent

SI No.6 KUMKUMAPOOVU

Sl.no	Parameters	Specification
1	Foreign organic matter	NMT2% styles NMT 10%
2	Ash content	NMT 7.5%
3	Acid insoluble ash	NMT 1%
4	TLC	Saffronal , picrocrocin and crocin.
5	Spectroscopy	As per standard