

## SPECIFICATIONS

### 2. KUMKUMAPOOVU (Saffron) (*Crocus sativus*)

SI No.	Parameters	Specification
1	Foreign organic matter	NMT 2% styles NMT 10%
2	Ash content	NMT 7.5%
3	Acid insoluble ash	NMT 1%
4	TLC	As per standard
5	Spectroscopy	As per standard
6	Macroscopy	Dark red trifold stigma with yellowish orange style
7	Identification tests	Positive

### 30. AMUKKURAMI (*Withania somnifera*)

SI No.	Parameters	Specification
1.	Foreign matter	NMT 2%
2.	Macroscopy	Root pieces straight up to 7 cm in length, 1-1.5cm in diameter, solid cylindrical with smooth external surface and pure white from inside, unbranched, outer surface buff to grey-yellow, fracture, short and uneven, odour, characteristic, taste, bitter and acrid
3.	Microscopy	Compact parenchymatous cells, phloem consists of sieve tubes, companion cells, phloem parenchyma, a few xylem parenchyma
4.	Total ash	NMT 7%
5.	Water Soluble extract	NLT 25%
6.	Alcohol soluble extract	NLT 15%

\*NMT – Not more than

\*\*NLT- Not less than

**49. RAMACHAM UNAKKA I (ROOT ONLY) (*Vetiveria zizanioides*)**

SI No.	Parameters	Unit	Specification
1	Macroscopy	-	<b>Dried fragrant fibrous root</b> , Cream, grey or light yellow to brown, short and splintery
2	Microscopy	-	Sclerenchymatous cells, Aerenchymatous cells, Endodermis single layered, starch grains, Pith cells
3	Odour	-	Strong aromatic
4	Total Ash	%	NMT 9
5	Alcohol soluble extractive	%	NLT 4
6	Water soluble extractive	%	NLT 5
7	Volatile Oil	%	NLT 1
8	Foreign matter	%	NMT 2

**61. GULGULU (II) (Commiphora wightii)**

SI No.	Parameter	Specification
1	Colour and shape	Brown to pale yellow, Irregular masses gummy to touch
2	Odour	Aromatic+
	<b>Identification test</b>	
3	Boiled with water	Milky coloured solution +
	Burning test	It burns
4	Total ash	Not more than 14%
5	Thin layer chromatography	As per API standards

**63. MANIKUNTHIRIKKAM (Oil Banam)**

SI No.	Parameter	Standard Value
1	Foriegn Matter	Not more than 5 per cent
2	Total Ash	Not more than 10 percent
3	Acid- insoluble Ash	Not more than 8 percent
4	Alcohol-soluble extractive	Not less than 45 percent
5	Water-soluble xtractive Appendix 2.2.7	Not less than 28 percent
6	TLC	As per standard

**65. SODHITHA GUGGULU (Commiphora wightii (Purified))**

SI No.	Parameters	Unit	In house Specification
1	Colour and shape	-	Black coloured irregular masses
2	Loss on Drying	%	NMT 8
3	Total ash	%	NMT 10
4	Water Soluble extract	%	NLT 26
5	Alcohol soluble extract	%	NLT 12
6	HPTLC Profile	-	As per in house standard

\* NMT- Not more than

\*\* NLT – Not less than

**67. KANMADAM (Asphaltum)**

SI No.	Parameters	Specification
	<b>Physico chemical</b>	
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
	<b>Microbiological</b>	
4	Total bacterial plate count	Not more than $10^5$
5	Total Yeast & Mould count	Not more than $10^3$
6	Specific pathogens	Absent

**69. COCONUT MILK**

SI No.	Parameters	In-house Specification
1.	Description	Creamy consistency with characteristic colour, flavor and odour No added excipients
2.	Specific gravity	0.980-1.015
3.	T S%	NLT 6
4	pH	5.9-6.50
5.	FAT %	22-30
6.	Refractive Index	1.3930-1.3960

**72. CASTOR OIL (Ordinary)**

SI 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	1.470-1.474
3.	Specific Gravity	0.954-0.960
4.	Acid value	Not more than 4
5.	Iodine Value	82-90
6.	Saponification Value	177-187
7.	Holde's Test	Negative

**73. CASTOR OIL (Pure)**

SI 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	1.470-1.474
3.	Specific Gravity	0.954-0.960
4.	Acid value	Not more than 2
5.	Iodine Value	82-90
6.	Saponification Value	177-187
7.	Holde's Test	Negative