

Finished product specification Product Name: <i>Acacia catechu</i> Extract Botanical name: <i>Acacia catechu</i>			
Sr. No	Test Parameter	Reference	Specification
1.0	Description		
1.1	Appearance	Organoleptic (SAH/SOP/QCD/OL/FG/00)	Cream to the light brown colour powder
1.2	Odour		Characteristic
1.3	Taste		Characteristic
2.0	Analytical Data		
2.1	Identification (By HPLC)	SAH/MOA/QCD/HPLC/CT/42	Presence of Total Catechins- Positive
2.2	Loss on drying (at 105 °C)	IP 2014 (SAH/STP/QCD/LOD/01)	NMT 5.0%
2.3	Total ash	IP 2014 (SAH/STP/QCD/ASH/05)	NMT 8.0%
2.4	Bulk density	IP 2014 (SAH/STP/QCD/BDTD/06)	NLT 0.25gm/ml
2.5	Tapped density	IP 2014 (SAH/STP/QCD/BDTD/06)	NLT 0.30gm/ml
2.6	Particle size	Dry Sieve analysis (SAH/STP/QCD/PS/07)	NLT 95.0% Passing through 40 mesh
2.7	pH (1% w/v solution)	IH (SAH/STP/QCD/PH/02)	4.0 to 7.0
3.0	% Assay (on a dried basis)		
3.1	Total Catechins (By HPLC)	SAH/MOA/QCD/HPLC/CT/42	NLT 65.0%
4.0	Heavy Metals		
4.1	Lead	ICP-MS (By NABL-approved external laboratory)	NMT 0.5 ppm
4.2	Arsenic		NMT 1.1 ppm
4.3	Cadmium		NMT 0.3 ppm
4.4	Mercury		NMT 0.1 ppm
5.0	Microbiological Enumeration		
5.1	Total aerobic microbial Count	SAH/SOP/QCD/MIC/MLTTPC/11(USP)	NMT 1000 cfu/gm
5.2	Total yeasts & molds count	SAH/SOP/QCD/MIC/MLTYMC/17(USP)	NMT 100 cfu/gm
5.3	Pathogens		
5.3.1	<i>Escherichia coli</i>	SAH/SOP/QCD/MIC/MLTE/13 (USP)	Absent/gm
5.3.2	<i>Salmonella</i>	SAH/SOP/QCD/MIC/MLTS/16 (USP)	Absent/10gm
Storage Condition		Store in a cool and dry place away from direct sunlight, heat & moisture.	
Shelf life		Three years in original packed conditions from the date of manufacturing.	
Packaging		25 Kg Suitable for foodstuff packed in double poly bags unless otherwise required by customer.	
Declaration		The product is neither derived from GMO nor any kind of GMO ingredients used in the manufacturing process.	
		The product is not subjected to radiation and doesn't consist of, or contain allergen products.	
		The product is fit for human consumption.	