

# Better Aloe



Alomac® is Aloe *macroclada* gel, manually extracted and dried using Refractance Window Drying then milled. Particle size distribution data available for each Lot. All Alomac Lots include a Certificate of Analysis.

Physical Test	Method	Release Limits	Test Results
Appearance	Visual	Light beige to brown chips	Pass
Odor	Olfactory	Characteristic	Pass

  

Analyses	Method	Release Limits	Test
Aloins (IX ppm)	Internal HPLC H075	<10.0 ppm	Complies
Polysaccharides (% w/w)	Internal HPLC H087	For Information	20 %
Moisture (% w/w)	AOAC 926.08	< 5.0 %	Complies

  

Microbial	Method	Release Limits	Test
Total Microbial Count	USP/NF,61	<1000 cfu/g	Complies
Yeast and Mold	USP/NF,61	<1000 cfu/g	Complies
E.Coli	USP/NF,61	Negative	Complies
Salmonella	USP/NF,62	Negative	Complies
Staphylococcus Aureus	USP/NF,62	Negative	Complies

  

Heavy Metals	Method	Release Limits	Test
Lead	ICP/MS	Total of heavy metals	<0.001 ppm
Mercury	ICP/MS	not to exceed 10 ppm	<0.5 ppm
Cadmium	ICP/MS	and no single metal	<0.001 ppm
Arsenic	ICP/MS	to exceed 5 ppm	<0.01 ppm

Moisture analyses are performed at the production facility in Antananarivo, Madagascar. Extracted Aloe *macroclada* gel is ~98.5% water, containing ~1.5% solids. All other tests are performed at CEAMED. No affiliation with Mioty Voajanahary:

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Every Aloe *macroclada* leaf received is inspected prior to processing and unacceptable leaves rejected. Following washing and sterilizing in a hypochlorite bath, the leaves are allowed to dry on open racks. Following the hypochlorite wash step, the facility is designated as clean. All employees wear masks, hairnets, aprons and gloves in the clean areas.

Manual extraction of the gel allows for skilled removal of the gel fillet while minimizing aloin inclusion into the gel. This results in Alomac having a very low aloin content (<10ppm) without any treatment. Manual extraction also allows for continual monitoring of leaf and gel quality.

Extracted Aloe *macroclada* gel is treated with 0.5% citric acid as a preservative during the initial blending process. No enzymatic digestion of lignins is performed to preserve the polysaccharides, which average >25%. After passing through an in-line, multi-step homogenizer the gel is dried using Refractance Window Drying. This drying method minimizes drying times and minimizes degradation of Alomac, specifically the polysaccharides, during drying.

Alomac is vacuum sealed in 1.5kg quantities in thick-walled polypropylene bags and labelled with the production date, expiration date, production location, Lot number and bag number. Each Lot of material is tested by a third party for microbials, yeast and mold (as described above) and other parameters. Five years of stability (at a minimum) has been demonstrated. Heavy metals and pesticides/herbicides have always been found to be well below acceptable limits.

Production is performed following written *Standard Operating Procedures* which includes recordkeeping from leaves in the field to export of final product. Mioty Voajanahary's facility makes every attempt to operate as a Good Manufacturing Facility, following FDA and EMA Guidelines. The facility has not been audited by either agency. Mioty Voajanahary welcomes inspections.

Contact [sales@alomac.com](mailto:sales@alomac.com) or visit [www.alomac.com](http://www.alomac.com)