



TECHNICAL BULLETIN

ALOE VERA GEL 1X

(Inner Leaf from Concentrate)

INCI Name: Aloe Barbadensis Leaf Juice

CAS RN: 94349-62-9

EINECS N: 305-181-2

PRODUCT CODE:	AG002	AG003
	DECOLORIZED	REGULAR
SPECIFICATIONS		
APPEARANCE:	Colorless to Slight Yellow Liquid	Yellow-Green Liquid
ODOR:	Slight Vegetable	Light Vegetable
GARDNER COLOR:	1 Maximum	3 Maximum
pH:	3.5-4.5	3.5-4.5
SPECIFIC GRAVITY:	0.997-1.004	0.997-1.004
TOTAL ALOE SOLIDS:	0.5% Minimum	0.5% Minimum
MICROBIAL ASSAY		
TOTAL PLATE COUNT:	< 10 cfu/g	< 10 cfu/g
YEAST AND MOLD	< 10 cfu/g	< 10 cfu/g
	No Pathogens Present	No Pathogens Present
	All testing performed at 25°C unless otherwise noted.	
PACKAGING	5 Gallon (42 lbs/19 kg) Minimum 55 Gallon (459 lbs/208 kg)	5 Gallon (42 lbs/19 kg) Minimum 55 Gallon (459 lbs/208 kg)
PRESERVATIVES:		
POTASSIUM SORBATE	0.10%	0.10%
SODIUM BENZOATE	0.05%	0.10%

CERTIFICATIONS:

- International Aloe Science Council (IASC)
- Generally Recognized as Safe (GRAS) Self-Affirmed
- KA Kosher
- Halal (AG002 only)
- FairTSA Certified Product



CAUTIONS:

This is a natural product which will darken with age. Slight fallout may occur over time. Protect from oxidation. Store at room temperature. Shelf life: 2 years from date of manufacture (unopened container).



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www.terrylabs.com

NATURLOCK SYSTEM™

There is little disagreement that the polysaccharides found in Aloe Vera play a critical role in the benefits found in this miraculous plant. Universally, scientists agree that, while the total polysaccharide content is important, more important is the Molecular Weight Distribution (MWD) of those polysaccharides.

The point of differentiation between the various suppliers of Aloe Vera should be how their Molecular Weight Distribution compares to "Mother Nature" – what is typically found in the leaf.

Terry Laboratories' new, revolutionary NaturLOCK System™ was developed to mimic, as closely as possible, what is typically found in "Nature". This proprietary improvement in growing, harvesting and processing Aloe Vera is the first major development since 1999. The chart below reflects the comparison of NaturLOCK System™ Aloe Vera Gel 1X to "Mother Nature".

MOLECULAR WEIGHT (DALTONS)		MOTHER NATURE	12 LOT AVERAGE
		%	%
Very Large	> 2,000,000	45	54
Large	1,000,000-2,000,000	17	11
Medium-Large	150,000-1,000,000	26	20
Medium	50,000-150,000	7	6
Small	<50,000	5	9
Total Polysaccharides		14.70	8.88

TYPICAL APPLICATIONS

SKIN AND HAIR CARE

- Sun Care and After Sun Products
- Hand and Body Lotions/Gels
- Skin Cleansers
- Facial Moisturizers
- Shampoos and Conditioners
- Styling/Sculpting Gels
- Shaving/Depilatory Preparations

PET CARE PRODUCTS

- Shampoos
- Cleansers

FOOD AND BEVERAGES

- Health Drinks
- Juice Blends
- Health Foods
- Sports Drinks

O.T.C. PHARMACEUTICALS

- Topical Analgesics/Anesthetics
- Hydrocortisone Creams
- First Aid Sprays/Creams/Gels
- Anti-Acne Preparations
- Toothpastes/Oral Rinses

MISCELLANEOUS

- Topical Wipes

WHAT PERCENTAGE TO USE?

- 15% Single Strength Equivalent (SSE) minimum for IASC certified finished products
- Recommend the use of 15-100% SSE for cosmetic and beverage applications
- Two to four ounces (SSE) twice daily is the recommended beverage dose. May be added to fruit or vegetable juices to enhance flavor.

GUARANTEES

- BSE/TSE-free
- GMO-free
- Pesticide-free
- No Animal Testing