

## Specification

09/01/2008

### Aloe Vera Gel 5X-40x –AVG5X-40X

**Botanical Name:** Aloe Barbadensis Leaf

*(According to the IASC, definition of a 40X Concentrate from fillets must have 20% solids. This comes from the initial assumption that the fresh gel Aloe has 0.5% solids, therefore if concentrated 40 times, the percent solids is 20%).*

**Ingredients** : Aloe Vera liquid Concentrate, citric acid 0.2%, Ascorbic acid 0.1% & potassium Sorbate 0.1%

**Source** : Mexico

	Specifications	Method of Analysis
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<u>Appearance</u>	Amber to Light Yellow	
<u>Total Solids</u>	5.0%-20.00% min	
<u>PH @ 20 degree C</u>	3.5-5.0	
<u>Specific Gravity</u>	1.0-1.15	
<u>Aloin content</u>	Negative	
<u>Aloe Identification (polysaccharides)</u>	positive (peaks)	NMR
<u>Aloe Leaf Fibers</u>	Negative	
<u>Micobiological</u>		
<u>Total Plate Count</u>	<100 cfu/ g	
<u>Yeast &amp; Mold</u>	<100cfu/g	
<u>E Coli</u>	Neg	
<u>Salmonella</u>	Neg	
<u>Staph Aeureus</u>	Neg	
<u>Packaging</u> :	100 kg drum	

#### Storage & Handling

- Store in a cool, dry & dark area
- All containers should be kept tightly sealed, & protected from contamination
- Color may darken with time(as it is a natural product), but quality has one year shelf life in proper storage-stability study is ongoing to support longer shelf life