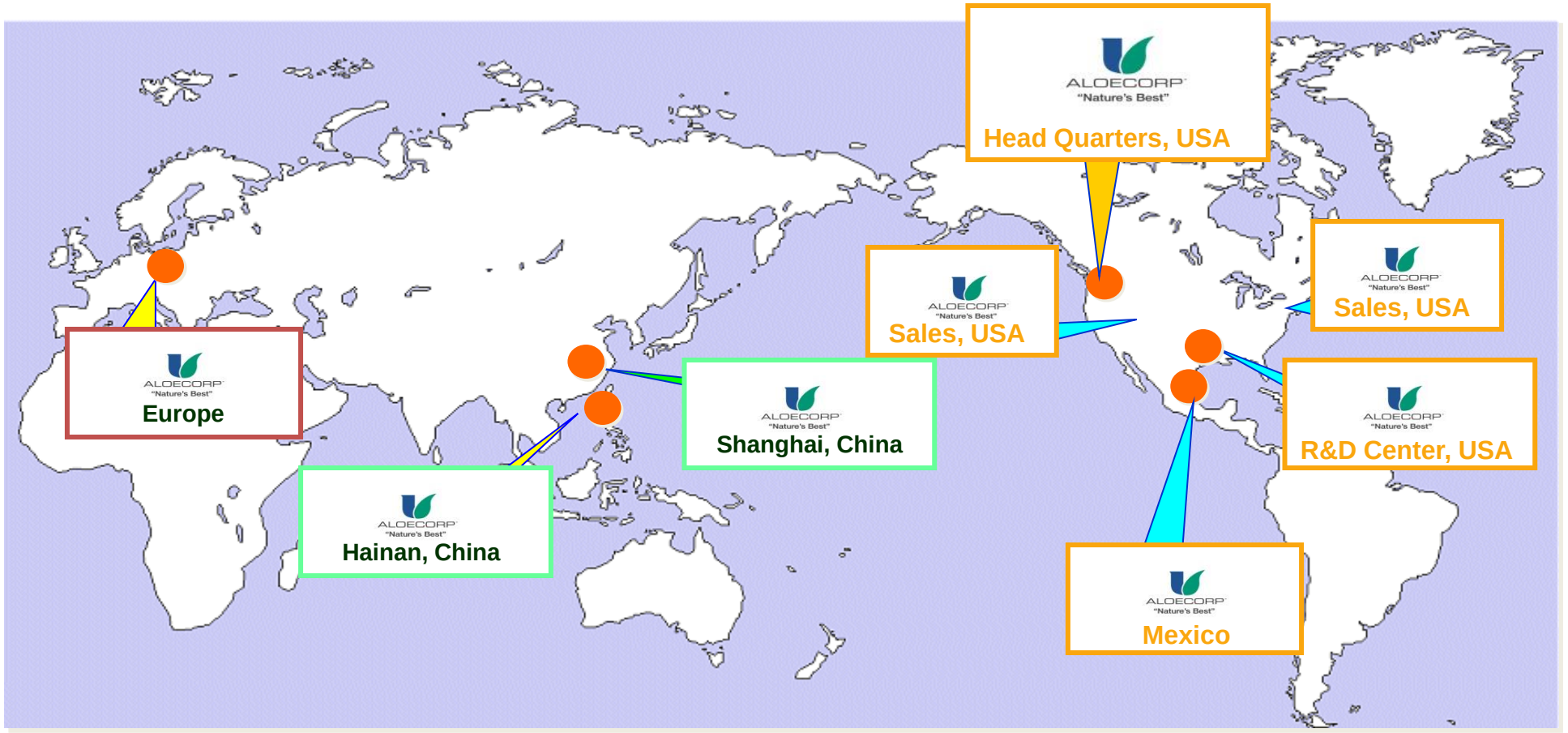
Aloecorp

ALOECORP | ACTIValoe | CERTIFIED PLUS | USDA ORGANIC

ALOECORP WORLDWIDE



Our History

ALOECORP
"Nature's Best"

1988	Grand Opening of Aloecorp
1989	Purchased Lake Farm 333ha in Gonzalez, Mexico
1990	Completed Manufacturing facility in Mexico
2002	Aloecorp China
2004	Acquired Organic farm Certification
2007	Panuco Farm 193ha in Veracruz, Mexico
2008	cGMP Facility in Hainan, China
2010	Self Affirmed GRAS, USA
	Rayon Farm 246ha in Gonzalez, Mexico
	Shanghai Sales Office, China
	Dong Fang Farm 136ha, China
2011	Europe Office, Netherlands
	New manufacturing facility in Gonzalez, Mexico
	Global GAP Certification, Mexico

ALOECORP
"Nature's Best"

Worldwide Aloe Leader

ACTIValoe

- Leading supplier of Aloe vera raw materials.
- Sustainable farming, state-of-the-art manufacturing, and advanced scientific research.
- Most advanced analytical capabilities and clinical studies.
- International Certifications.
- The first GRAS aloe ingredient supplier.

USDA ORGANIC

KSA
KOSHER SUPERVISION OF AMERICA

ÖKO-GARANTIE BCS

QSI ISO 9001 CERTIFIED COMPANY

ALOE CONTENT & PURITY IN THIS PRODUCT CERTIFIED INTERNATIONAL ALOE SCIENCE COUNCIL

CERTIFIED HALAL حلال
ISLAMIC FOOD AND NUTRITION COUNCIL OF AMERICA

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Aloe Industry leader

450 Employees, World wide.

- **Headquarters:** Lacey, Washington, USA
  - President & CEO
  - Finance & Accounting
  - Sales
- **R & D Center:** Lyford, TX. USA.
- **Manufacturing Facility and Farms**
  - Gonzalez, Mexico
  - Hainan, China

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Aloe Vera farming?

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Farms Across 2 Continents

Tampico, Mexico, (since 1989, 618 ha)

Hainan, China, (since 2002, 430 ha)

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Austin
San Antonio
USS Alabama (BB-60)
New Orleans dowtown flooding
Gonzales, MX
Mexico
Cayman Islan
Image © 2005 MDA EarthSat
© 2005 TeleAtlas
Belize
© 2005 Google
Pointer 23°05'41.38" N 95°51'00.41" W
Streaming 100%
Eye alt 1693.54 mi

Hainan, China

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Farm, 东方市

Aloecorp China cGMP Facility

Rayon Farm: March 2011

Rayon Farm: March 2011

Rayon Farm: April 2011

Rayon Farm: August 2011

Rayon Farm: September 2011

Rayon Farm: September 2011

Rayon Farm: February 2012

Rayon Farm: February 2012

Rayon Farm: February 2012

Rayon Farm: April 2012

Rayon Farm: April 2012

Manufacturing?

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1. Receiving Leaf and Cleaning

- Receiving fresh aloe leaf from farm.

- Soaking 20 minutes in soaking pool.
- Further spray rinsing with the clean water.

2. Sanitizing and Trimming

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- Spray sanitizing for the aloe leaf.

- Removing the damaged or black tip.
- Removing the white butt that contains high aloin.

3. Filleting and Grinding

- Removing the rind.

- Grinding to mash form .

4. Depulping and Decolorization

- Separating the aloe juice from the insoluble fiber

- Decolorization

5. 1:1 Filtration and HTST

- Clarifying the 1:1 juice through the filter press

- Killing or inactivating the Bacteria
- HTST

6. 1:1 storage and Concentration

- Storage temperature 5ºC

- Concentration

7. Drying and Milling

- Company patent Window drier

- Milling the flake to 10 or 80 meshes

8. Packaging and Storage

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- Weighing to 1kg or 5kgs / bag

- PE inner bag
- Aluminum outer bag

- Storing in cool and dry room protected from light and moisture

MX Facility Video

Why better?

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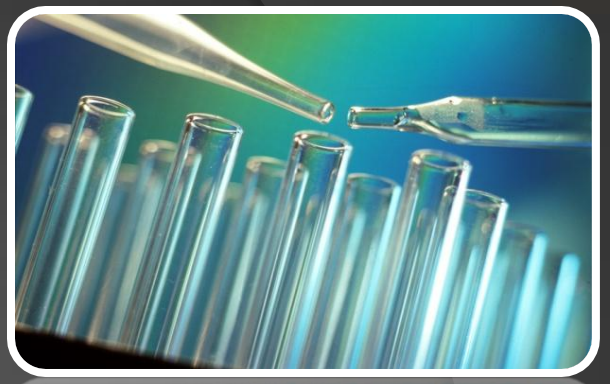
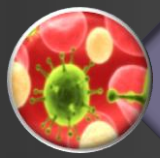
Research & Clinical Trials

Qmatrix® GRAS Ingredient

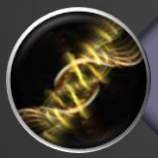


I. Skin Function

II. Prebiotic Effect



III. Immune Function



IV. Antioxidant Effect

V. Glycemic/Cardio

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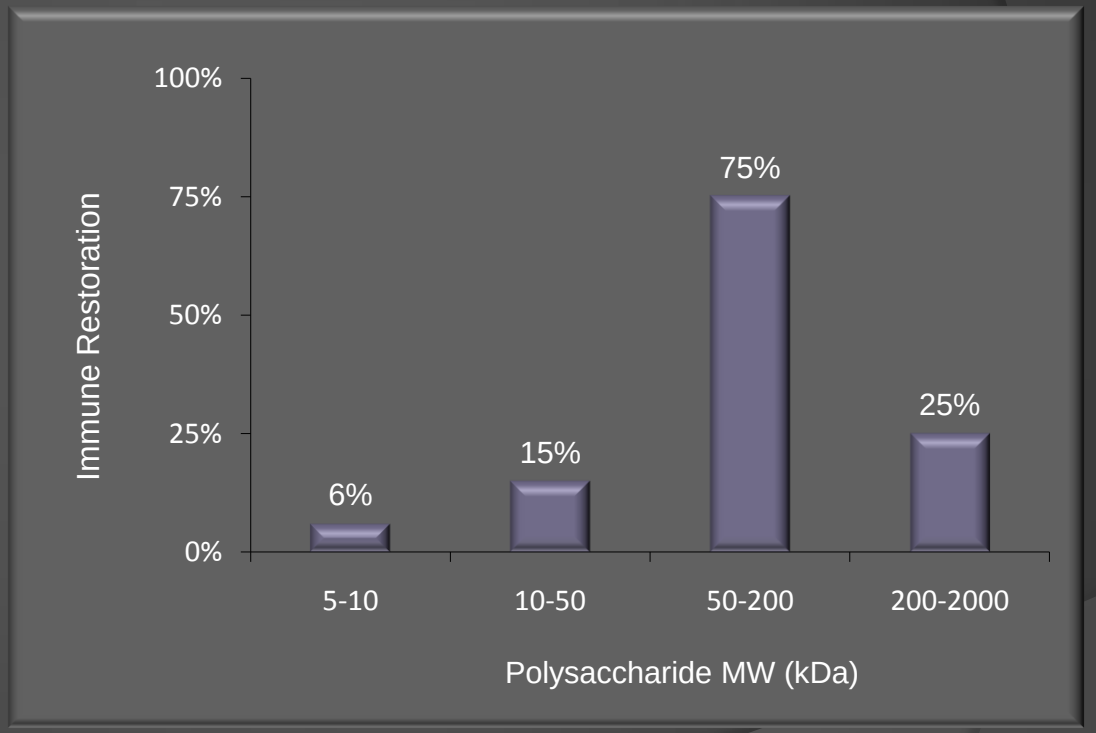
The MAP Process – Modified Aloe Polysaccharides

Only at ALOECORP **Enhancing aloe products through bioactivity guided manufacturing**

Modified Aloe barbadensis Polysaccharide (MAP) with Immunoregulatory activity.

Qiu, Jones et al. *Planta Medica* 2000

Immune Modulation



A highly active fraction of acetyl mannan was identified

Identification of optimal molecular size of modified Aloe polysaccharides with maximum immunomodulatory activity.

Sun-A Im, Sun-Tack Oh, Chong-Kil Lee, et al. *International Immunopharmacology* 2005

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The MAP Process

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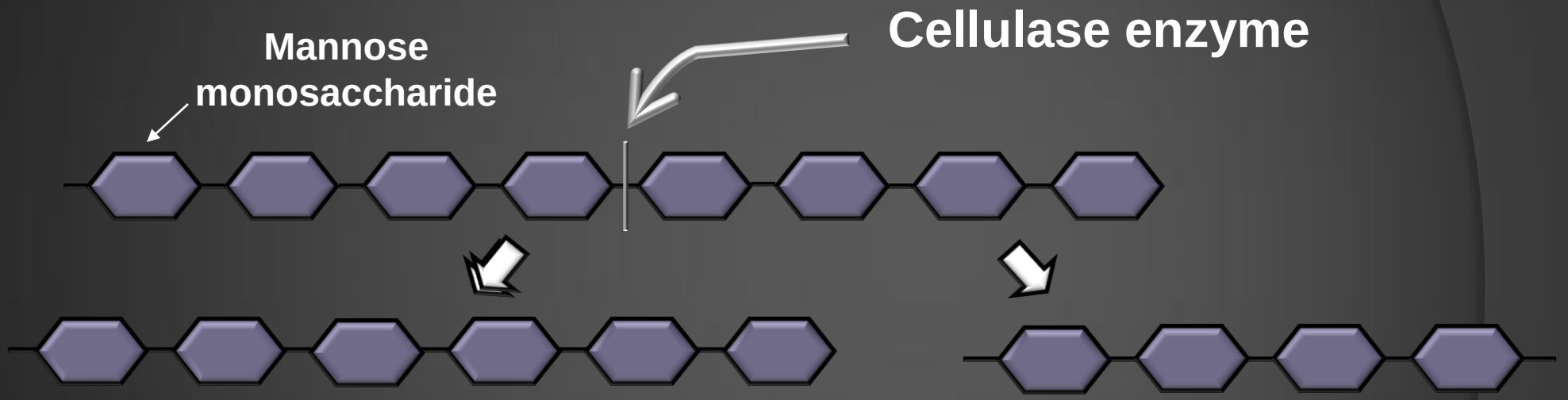
Acetyl mannan is an important bioactive component of aloe vera



Modified Aloe Polysaccharide (MAP) 50 – 200kD

Timed inactivation of cellulase

Published studies show that our patented manufacturing method not only retains but actually ENHANCES aloe vera biological activity. Aloecorp patented MAP process: patent # 6,133,440 & 6,436,679

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The MAP Process

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MAP Processing Increases a highly active 50 – 200 kDa acetyl mannan molecular weight range by 3 times

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Molecular Weight Distribution Date: 4/20/2007

Molecular Weight Distribution (percent of total polysaccharides) and Total Content (percent dry weight)

Product	>2000 kDa	2000 - 1000	1000 - 500	500 - 200	200 - 50	50 - 10	<10 kDa	Total PS
AA8010XQ*	8.86	7.07	9.71	16.46	29.44	24.27	4.19	**10.36**
CP8010XQ*	12.67	5.97	8.06	14.47	30.13	25.00	3.70	**6.27**
Native Aloe	64.30	8.70	3.80	6.80	10.20	4.50	1.70	**11.60**

*Results are typical of molecular weight distribution and total polysaccharide content
Batch to batch variation does occur

30%/10% = 3 Highly active fraction increased by 3 times while retaining the full molecular weight range

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THANK YOU
MUCHAS GRACIAS
谢谢！

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