

ACB Quinoa Protein

Moisturizing + Film-Forming + Nourishing + Conditioning



Tomorrow's Vision... *Today!*[®]

ACB Quinoa Protein

Technical Information:



Product Code: 20037

INCI Name: Hydrolyzed Quinoa

INCI Status: Conforms

Suggested Use Levels: 1.0 - 10.0%

Suggested Applications: Moisturizing, Film-Forming, Nourishing, Conditioning

History of Quinoa

- The Quinoa plant is a perennial
- Can grow as tall as twelve feet high
- Leaves are dull and triangular, while the seeds are enclosed in a hard, shiny husk
- Seeds are typically a pale yellow color, but the color can vary from shades of orange, pink, red, purple, and black
- Quinoa (*Chenopodium quinoa*) has been cultivated in the Andes Mountains of South America for over 5,000 years
- Called the “Mother Grain” by Incas who considered it a sacred plant
 - High nutritional value
 - Ability to flourish at high altitudes in cold, dry climates



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Packed with Protein:



- In comparison to other grains, Quinoa is exceptionally high in proteins resulting in a good balance of essential amino acids
- By fermenting the Quinoa seeds with the bacteria *Lactobacillus lactis* we are able to isolate and concentrate the naturally occurring proteins of the seed and thus standardize the amino acid content
- The high protein content found in quinoa, provides exceptional skin hydration, skin softening and emollient properties

ACB Quinoa Protein

Benefits:

- ✓ Anti-irritant
- ✓ Antioxidant
- ✓ Repairing properties
- ✓ Restores hydration to the skin's epidermis or the hair's cuticle
- ✓ Applications for all skin and hair types
- ✓ Effective for excessively dry skin or hair

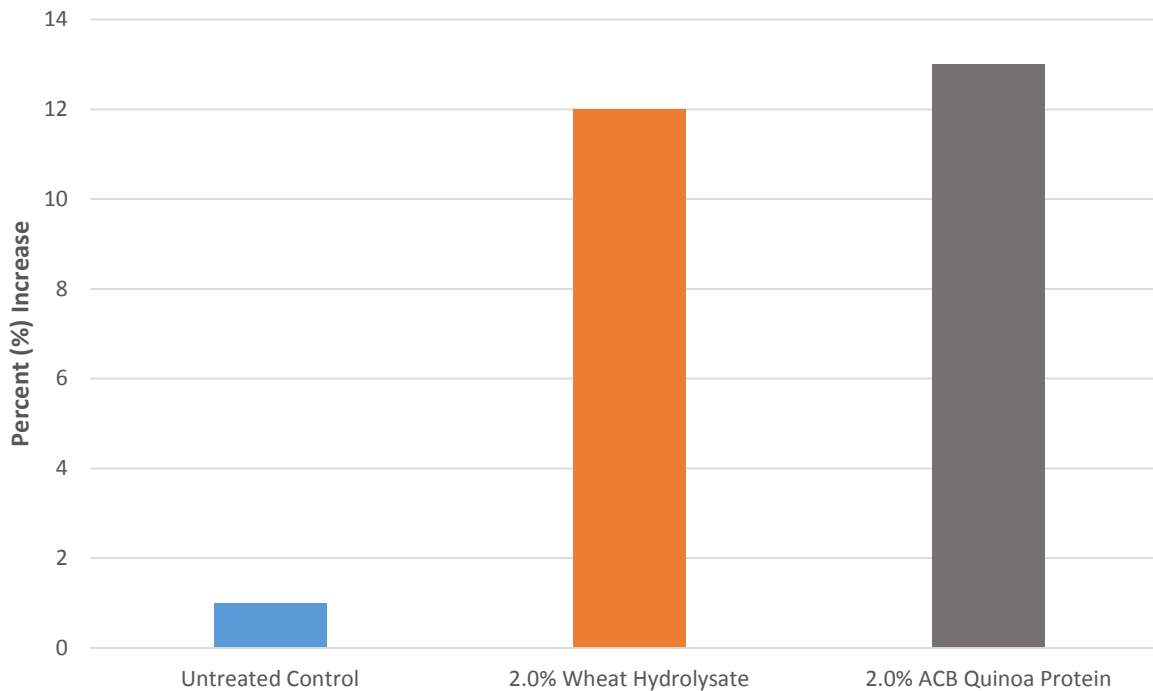


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Hydration Assay



Increase in Hair Hydration



Protocol

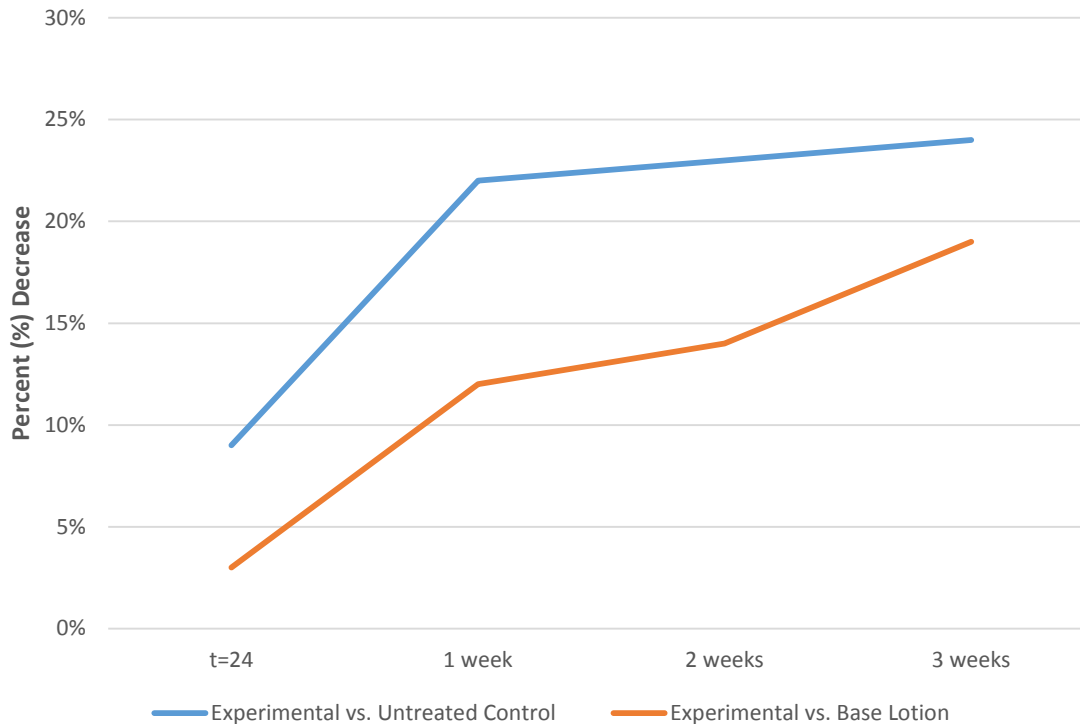
- **Equipment:** DPM 9003 Nova Impedence Meter
- **Principle of measurement:** Conductance, single frequency
- **Subjects:** 10 (m/f)
- **Test area:** Hair
- **Concentration of active used:** 2.0%
- **Frequency of application:** Single Application

ACB Quinoa Protein

TEWL Assay



TEWL Comparison Over Time



Protocol

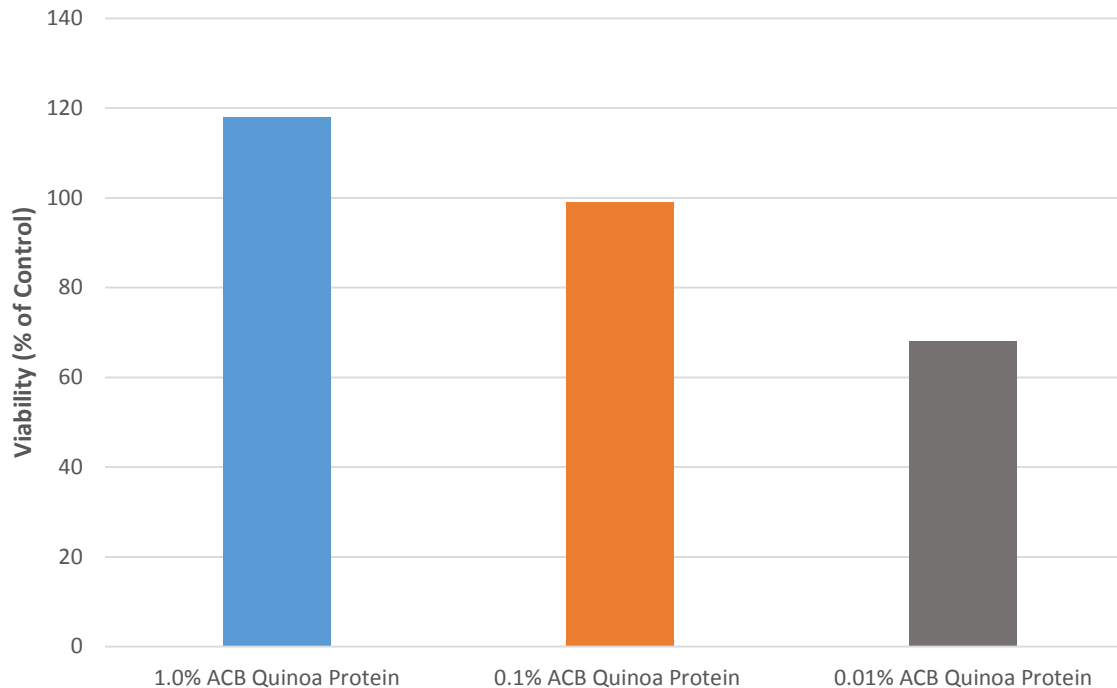
- **Equipment:** DermaLab Combo
- **Principle of measurement:** Ultra-sound Probe
- **Subjects:** 10 (m/f)
- **Test area:** Volar forearms
- **Concentration of active used:** 2.0%
- **Frequency of application:** Twice Daily

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Cellular Viability Assay



Cellular Viability



Protocol

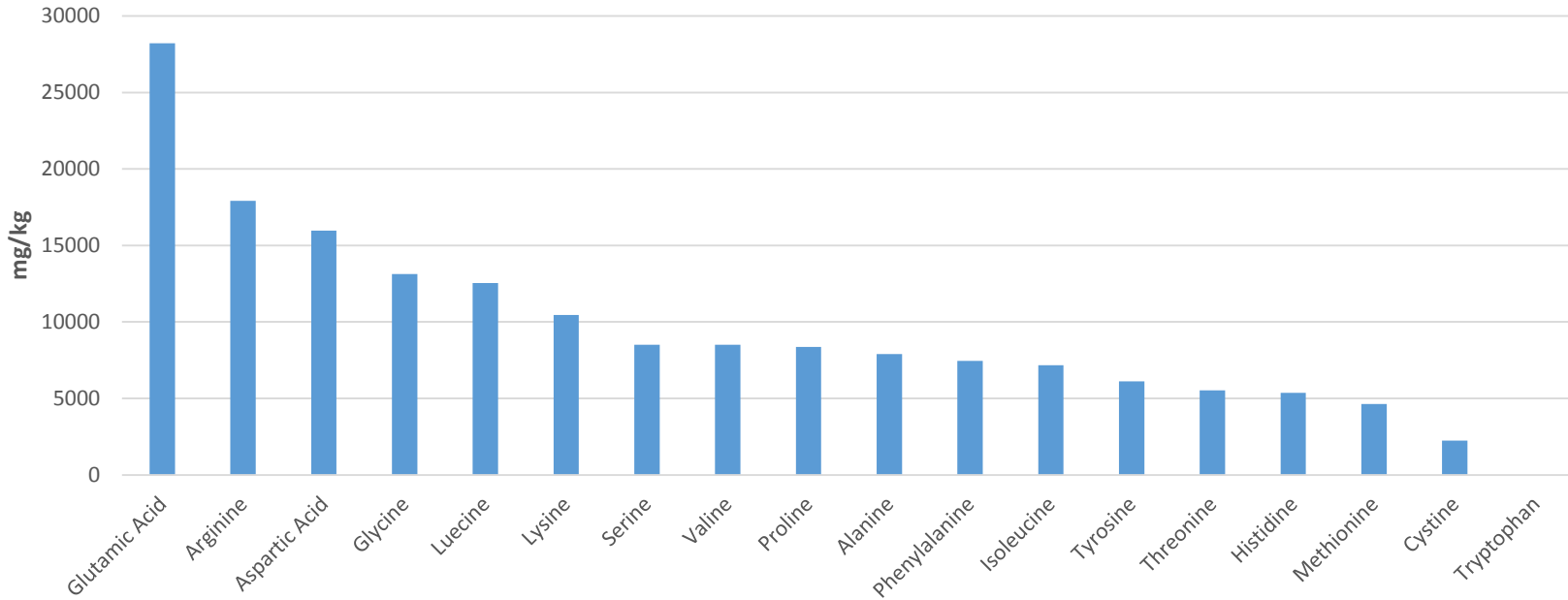
- Human dermal fibroblasts were seeded into 96-well tissue culture plates
- Concentrations: 1.00%, 0.10%, 0.01%
- Ten microliters of viability reagent was added to 90 μ L of cell culture media in culture wells
- **ACB Kale Protein Blend** exhibited comparable results by increasing cell metabolism

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Typical Amino Acid Composition



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ACTIVE CONCEPTS LLC



THANK YOU

Please visit and register to use our new website at

www.activeconceptsllc.com

When you register, you will have access to the complete product documentation available.