

# ARGAN Co.

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**Cosmetic and Personal  
Care Ingredients and  
Specialties**

# ARGAN Co.

## ARGAN HYDROYZED KERATIN POWDER



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Argan Co. is a highly versatile supplier of personal care and cosmetic **solutions** for all your formulation needs.

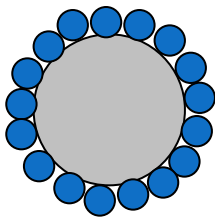
In addition to its extensive array of cosmetic ingredients, Argan provides customization of raw materials, scale up and pilot production pilot services, formulation assistance and ready to use products.



## CAPABILITIES

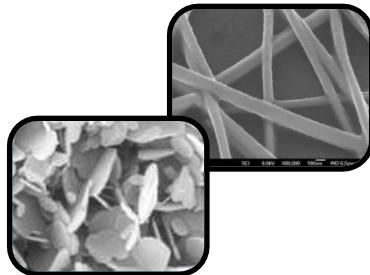
### Manufacturing Technologies

- Emulsion (Dispersion)
- Polymerization
- Sol-Gel Technology
- Hybridization
- Particle Coating



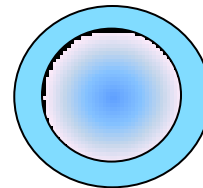
### Lab & Pilot Scale Technologies

- Particle Synthesis
- Formulation
- Technical Assistance



### Cosmetic Powder Technologies

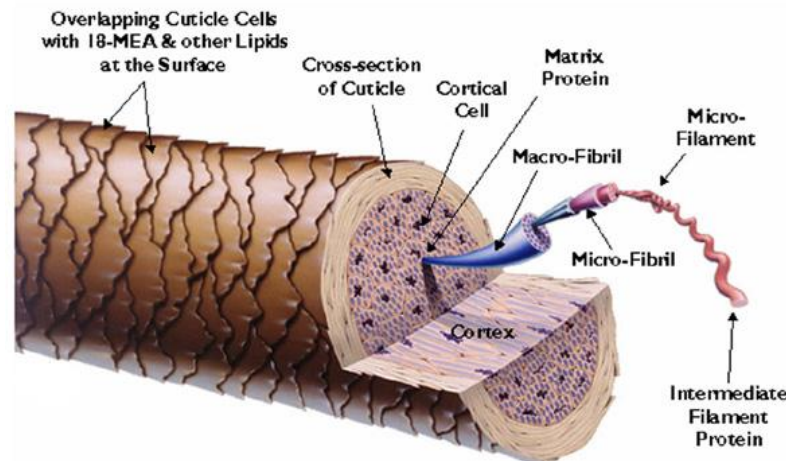
- Spherical
- Mineral based
- Surface modified
- Effects Pigments
- Colorants
- Treated
- Functional





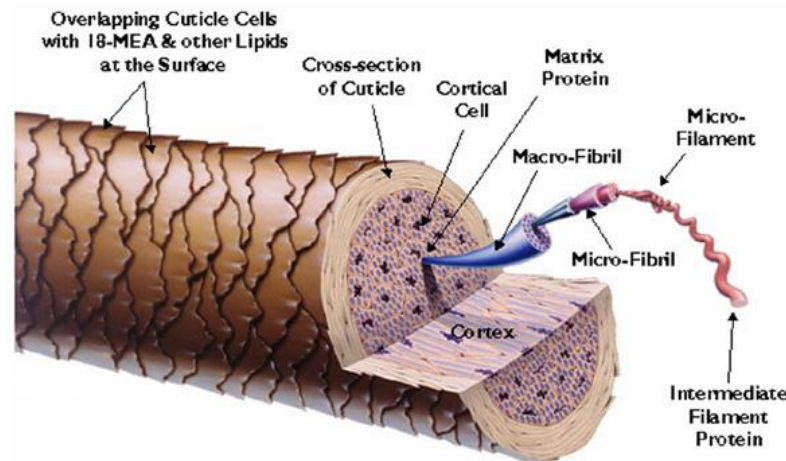
### Background- Keratin

Keratin, the main protein in hair, fingernails and skin, is a hard and very stable form of protein. It diminishes as we age, leaving hair and nails weakened, brittle and more vulnerable to the effects of everyday wear and tear. Styling, heating, coloring and other chemical treatments may damage keratin in hair, leaving it dull, listless and frizzy.



### Background- Keratin

Because keratin is not soluble in water, it can not be readily be replaced. To create a usable, active form of form of keratin to replace and restore that which is lost, it may be hydrolyzed using high temperature and high pressure, acid, alkali, or enzyme processing, breaking down the proteins into short peptides or free amino acids.



### Background- Hydrolyzed Keratin

Hydrolyzed keratin is a combination of water soluble amino acids, vitamins and peptides that can be readily formulated with and used to replenish and restore damaged hair, nails and skin.

INCI Name: Hydrolyzed Keratin

CAS.No: 69430-36-0

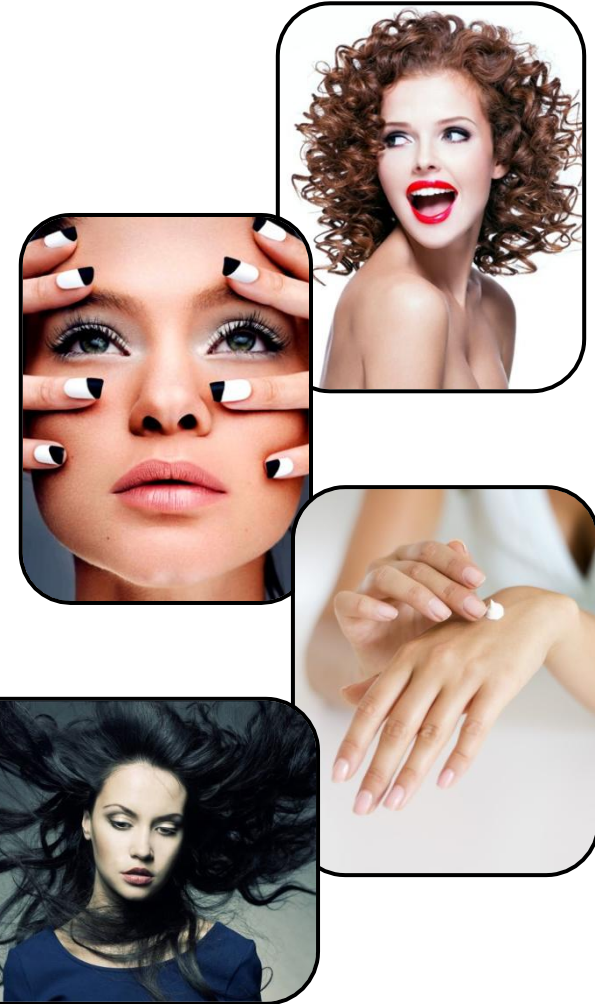
EC.No: 274-001-1



### Benefits

#### Hydrolyzed Keratin

- Improves hair shine and smoothness, leaving it silky, soft and easy to comb
- Helps replace natural proteins to restore hair strength and elasticity
- Adds volume and body to hair
- Dramatically diminishes the effects of chemical processes, such as coloring, bleaching and straightening of hair
- Yields unprecedented age-defying and softening properties and anti-aging for skin
- Strengthens nails, improving resiliency and resistance to cracking, splitting and chipping
- Can be used in mascara to build lashes





### Physical Properties

Appearance	Light yellow powder
Protein	85% min
pH (5% water solution)	4.5 - 6.5
Moisture	6.0% max
Lead (Pb)	1 ppm max
Mercury (Hg)	0.5 ppm max
Arsenic (As)	0.5 ppm max
Total plate count	Not more than 1000 cfu/g
Colifoms	Not more than 30 MPN/100g
Pathogens	Negative

### Formulation

- Recommended dosage: 0.5 ~ 5 %.

### Applications

- Hair Care: Shampoo and Conditioner
- Hair Treatments: Repair & Deep Conditioners, Straighteners
- Nail Care: Nail Polish Remover, Treatment & Strengthening Products
- Skin Care: Moisturizing, Anti-aging, etc.
- Color Cosmetics: Mascara/Lash Building
- Personal Care: Skin Conditioning Soaps, Moisturizers, Hand, Foot & Body Care



### Commercial Products Containing Hydrolyzed Keratin

**Liquid Keratin Infused Volumizing and Revitalizing Dry Shampoo**



Ingredients: Butane, Propane, SD-Alcohol 40-B, Zeolite, PEG-12 Dimethicone, Fragrance, BHT, Tetrahexyldecyl Ascorbate, Isododecane, Squalane, Isopropyl Alcohol, PHytosterols, Bishydroxyethyl Biscetyl Malmonamide, Linoleic Acid, Ceramide II, **Hydrolyzed Keratin**, Water

**Dermelect Timeless Anti-Aging Hand Treatment**



Ingredients: Aqua, C12-15 Alkyl Benzoate, Emulsifying Wax NF, Cetyl Alcohol, Cyclopentasiloxane, Cetearyl Alcohol, Dimethicone, Dimethiconol, Isododecane, Hydrolyzed Keratin, Tocopheryl Acetate, Phenoxylethanol, Ethylhexyl Glycerin, Glycyrrhiza Glabra (Licorice) Root Extract, Gamma Aminobutyric Acid (GABA), Sodium Hyaluronate, Phyllanthus Emblica Extract, Arbutin, **Hydrolyzed Collagen**, Parfum, Subtilisin, Carica Papaya Fruit Extract, Maltodextrin

**Dermelect High-Maintenance Instant Nail Thickener**



Ingredients: Ethyl Acetate, Butyl Acetate, Nitrocellulose, Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer, Alcohol Denat., Isopropyl Alcohol, Triphenyl Phosphate, Trimethyl Pentanyl Diisobutyrate, Butyl Alcohol, Benzophenone-1, Aqua, **Hydrolyzed Keratin**, Dimethicone, Violet 2

### Commercial Products Containing Hydrolyzed Keratin

**Blondeshell Keratin Complex Debrass & Brighten Shampoo**



Ingredients: Water/Aqua/Eau, Disodium Laureth Sulfosuccinate, Sodium Lauroyl Sarcosinate, Cocamidopropyl Hydrosulfate, Sodium Lauryl Sulfoacetate, Dimethicone, Hydrolyzed Vegetable Protein, PG-Propyl Silanetriol, Persea Gratissima (Avocado) Oil, Olea Europaea (Olive) Fruit Oil, Silk Amino Acids, Keratin Amino Acids, **Hydrolyzed Keratin**, Butylene Glycol, Sodium Lauroyl Lactylate, Glycol Distearate, Panthenol, Amodimethicone, Cetrimonium Chloride, Trideceth-12, Cyclopentasiloxane, Dimethiconol, Divinyldimethicone/Dimethicone Copolymer, C12-13 Pareth-23, C12-13 Pareth-3, Polyquaternium-10, Sodium PCA, Quaternium-80, Polyquaternium-7, Cinnamidopropyltrimonium Chloride, PEG-150 Pentaerythryl Tetrastearate, PEG-6 Caprylic/Capric Glycerides, Lavandula Angustifolia (Lavender) Extract, Chamomilla Recutita (Matricaria) Flower Extract, Camellia Sinensis Leaf Extract, Citric Acid, Phenoxyethanol, Caprylyl Glycol, Chlorphenesin, CI 17200 (Red33), CI 60730 (Ext. Violet 2), Linalool, Coumarin, Geraniol, Limonene, Fragrance/Parfum.

**Bliss Fat Girl Six Pack**



Ingredients: Water (Aqua/Eau), SD Alcohol 40-B, PEG-8, Cyclopentasiloxane, Cyclohexasiloxane, Menthyl Lactate, Phenoxyethanol, PEG-40 Hydrogenated Castor Oil, Creatine, Salicylic Acid, Caffeine, Carbomer, Fragrance (Parfum), Avena Sativa (Oat) Kernel Extract, Menthol, Disodium EDTA, Butylene Glycol, Limonene, Sodium Hydroxide, Ethylhexylglycerin, **Hydrolyzed Keratin**, Terminalia Catappa Leaf Extract, Glycerin, Propylene Glycol Alginate, Acacia Senegal Gum, Sambucus Nigra Flower Extract, Methylparaben, Manilkara Multinervis Leaf Extract, PVP, Tannic Acid, Linalool



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# THANK YOU

