

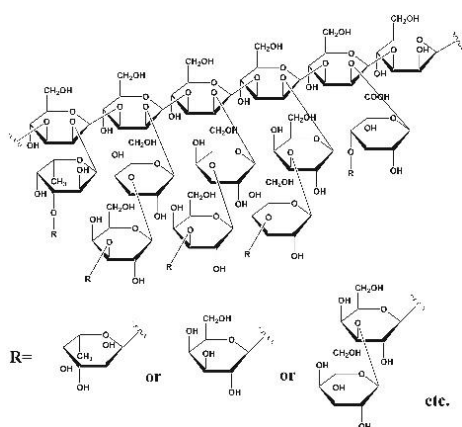
Botanical Moisturizer from Akita, JAPAN

CosmeHerbest™ JUNSAI

Brasenia Schreberi Leaf Extract



Improvement Effect of Hair Tenseness and Stiffness
Increase Strength and Settled Feeling of Hair



Chemical Structure of
JUNSAI Polysaccharide

Constituent sugar	Production area			
	● Hyogo	● Akita	● Fukushima	● Korea
L-Rhamnose	7.5	6.8	5.6	9.2
L-Fucose	15.5	14.0	12.5	15.8
L-Arabinose	2.9	2.7	1.9	3.1
D-Xylose	7.1	2.3	2.21	5.6
D-Mannose	11.4	10.3	14.0	9.8
D-Galactose	35.2	40.2	33.9	31.6
D-Glucose	1.0	0.5	1.0	1.1
D-Glucuronic acid	19.4	23.2	29.0	23.8

Reference: Kakuta M., Misaki A., Structural characterization of
"JUNSAI" Polysaccharides, FFI Journal, 209, 298-304 (2004)

CosmeHerbest™ JUNSAI is, used fresh leaves of JUNSAI (*Brasenia schreberi*) grown up with fine water at Mitane-cho of Akita Prefecture, located at the foot of Shirakami mountains where is designated as world Natural Heritage Site, is extracted only jelly-like components covered their surface. These jelly-like substances are acidic polysaccharides composed of D-Galactose, D-Glucuronic acid, D-Fucose and D-Mannose etc., and this product is expected improvement effect of hair tenseness and stiffness, increasing effect of strength of hair and volume-up effect of hair.

Leave-on

After making a damaged-hair with a mixture of ammonia solution and hydrogen peroxide, soaked hair bunch in each sample solutions and dried with dryer.

- Damaged** Soaked damaged-hair in water.
JUNSAI 3% CosmeHerbest™ JUNSAI solution
HEC 0.015% Hydroxyethyl cellulose solution

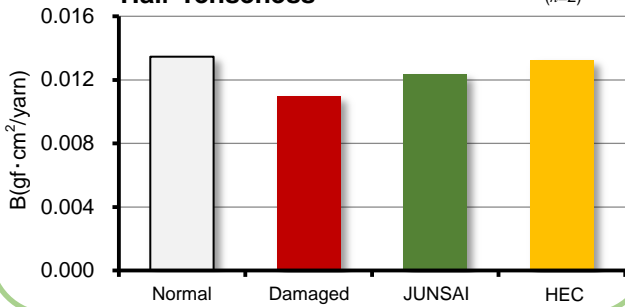


Increasing settled feeling of Hair

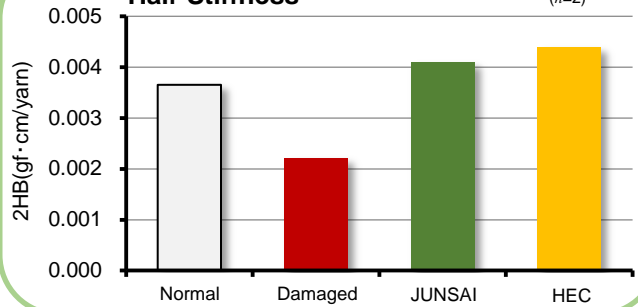


Normal Damaged JUNSAI HEC

Hair Tenseness



Hair Stiffness

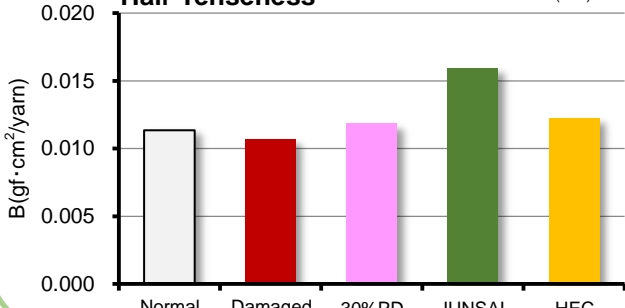


Rinse-off

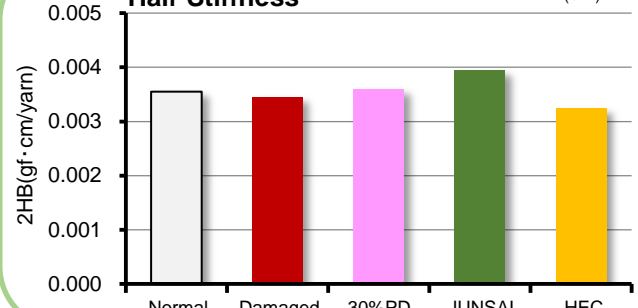
After making damaged-hair with a mixture of ammonia solution and hydrogen peroxide, soaked hair bunch in each sample solutions, rinsed off running water, and dried with dryer.

- 30%PD** ... 30% Propanediol solution / **JUNSAI** ... 5% CosmeHerbest™ JUNSAI 30%PD solution / **HEC** ... 0.025% HEC 30%PD solution

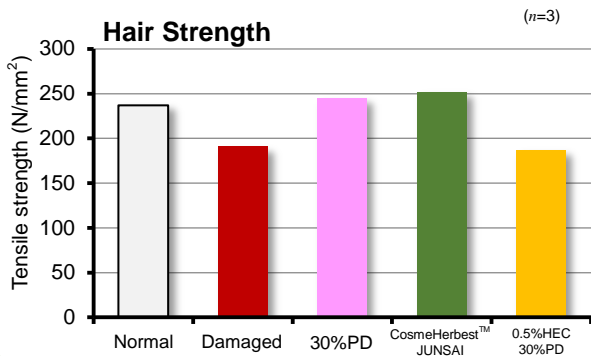
Hair Tenseness



Hair Stiffness



Hair Strength



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CosmeHerbest™ JUNSAI	
Description	Pale yellowish brown to pale reddish brown liquid with slightly characteristic odor
Identification	Sugar
Safety	<ul style="list-style-type: none"> •Primary Skin Irritation : Not recognize any stimulus (EPISKIN) •Cumulative Skin Irritation : Proceeding (RIPT) •Skin Sensitization : Proceeding (RIPT) •Ocular Irritation : Not recognize any stimulus (EpiOcular) •Mutagenicity : Negative (Ames, 5 strains) •Patch Test : Proceeding (RIPT)
Recommended Dosage	3.0 to 5.0 %
INCI Name	WATER, PROPANEDIOL, BRASENIA SCHREBERI LEAF EXTRACT
Chinese Labelling Name	水, 1,3-丙二醇, 莼菜 (BRASENIA SCHREBERI)叶提取物
Storage	Store in a dry, ventilated location. Keep away from high temperature and sun light, store below 5 degree in an original closed container.



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