The extractives of Bamboo Grass

Chishimazasa (Sasa Kurilensis)



Manufactured by Nippon Haruma Co.,Ltd Distributed by CBC (EUROPE)LTD



Nova Milanese (MI) Tel.0362-365079

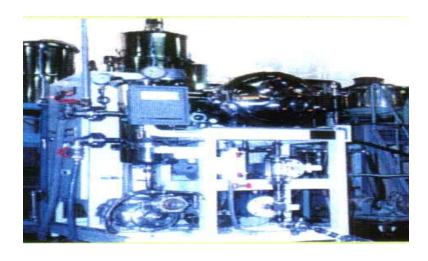
Scientific proof of Chishimazasa with mysterious effect

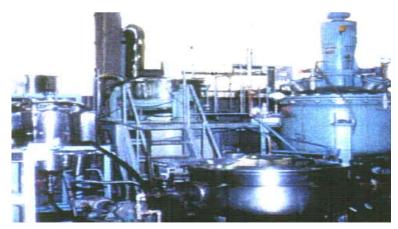
- Chishimazasa has been taken to our life as a plant with many effects long ago.
- The company clarifies a mysterious charm and effects by scientific manners, and develops the extraction method to utilize all effective ingredients in Chishimazasa.
- The company use the raw material that is harvested at national forest in Mt.Hakkoda's mountain food area without any environmental pollution.
- The application of extractives varies so many,
 - Functional Foods
 - Cosmetics
 - Skin treatment
 - Medical products
- And will be expected more in future.



Low temperature High pressure compression extraction method

- The low temperature high pressure compression extraction method is available to take out all ingredients by without any changes.
- The method is patented under the No.2002407.
- In all the process of extraction, neither water and chemicals are used.
- The method is available to extract and keep a quality of amino acid at least, thought the other method by both hot water and alcohol extractions are not available.





The leaf and the stalk of Chishimazasa of natural growth at Mt.Hakkoda

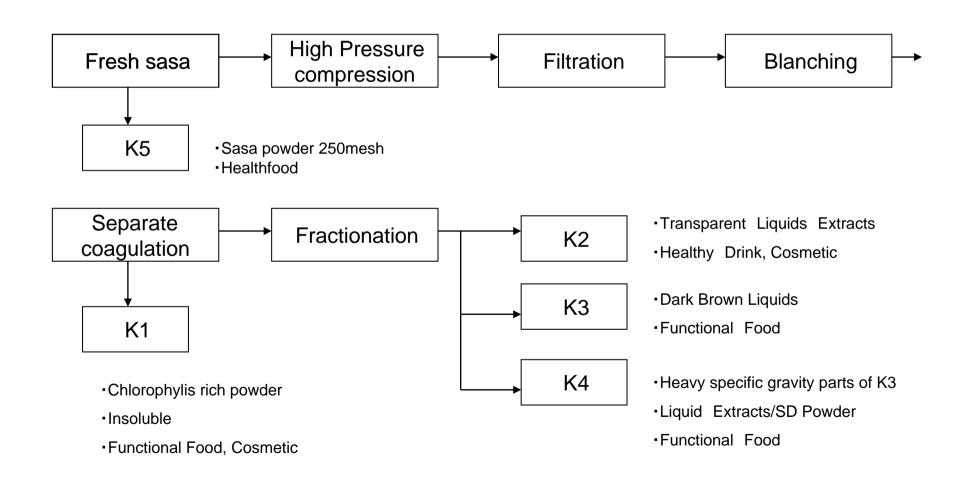
- > Even if it is the same kind of bamboo grass, it is important that the colony soil is extremely natural.
- Wild bamboo grass growing up at a beechen virgin forest in Mt.Hakkoda/Aomori Pref. is our raw material.
- ➤ In the early and mid summer harvest, bamboo grass is very active and is used as best raw material.
- Not only leaf is used, but also the stalk is used that contains the useful ingredients.

Active ingredients

Analysis Item	Results	Analysis Method	Main Function
Soluble Polysaccharide	1.40%	Gel Filtration Method	Immune promotion
Total Chlorophyl	0.3mg/100g	Spectrophotometer	Chlorophyll, Blood
Amino Acid(18 kinds)	357mg/100g	Automatic Analysis	Protein
Lignin	0.24%	P.J.Van Soest	Anti-tumor
Tannin	0.11%	Folin-Denis Method	Anti-inflammation
Total Carotenes(Vit A effect)	0.12mg/100g	Spectrophotometer	Immune promotion
Riboflavins(Vit B12)	0.03mg/100g	Lmifrabin Spectrophotofluorometer	Metabolism, Anti- inflammation
Pantothenic Acid(Vit B5)	0.56mg/100g	Microbioassay	Detoxication
Vitamin B6	0.28mg/100g	Microbioassay	Metabolism
Vitamin B12	0.06 μ g/100g	Microbioassay	Blood, Skin, immunity
Total Ascorbic Acid	14mg/100g	Hydrazine Spectrophotometer	Collagen, Scavenge active oxygen
Zinc	7.04ppm	Atomic Absorption	Protein, DNA synthesis
Iron	1.88mg/100g	Rorfenantorophosphorescence	Hemoglobin
Calcium	7.2mg/100g	Atomic Absorption	Enzyme, hormon
Sodium	5.54mg/100g	Atomic Absorption	Cell osmotic pressure
Potassium	257mg/100g	Atomic Absorption	Relation with Sodium
Magnesium	17.2mg/100g	Atomic Absorption	Cell structure
Foloic Acid	3 μ g/100g	Microbioassay	Metabolism

Production of Chishimasasa extracts

Process & Application



The list of applied products



K2





K3



New functions of extracts

Deodorant for Body odor, foul breath

Picture 1

JAK

Before

Skin care for Atopy, Dermatitis (Picture 1)

After

Protecting liver by Alcoholic fatty liver(Picture 2)

Picture 2



Normal Normal

Fatty liver with Small dropets

Eatty-liver with Large drpplets

> Prevent Helicobacter Pylori