

# OKINAWAN HERB EXTRACTS



## EXOTIC HERB EXTRACTS AS COSMETICS INGREDIENTS



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**OKINAWAN HERB EXTRACTS****INDEX**[Citisu](#)**Royal Jelly Shitake formula**[Engosaku](#)**Corydalis yanhusuo**[Ryutan](#)**Gentiana scabra**[Shako Nakai](#)**Paeonia lactiflorum Pall.**[Tohasaku](#)**Morus alba**[Okinawan Herbs Photo Gallery](#)**IMPORTANT NOTICE**

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**OKINAWAN HERB EXTRACTS****APPLICATION DECODE**

ADT	anti-dandruff treatment
AGH	against greasy hair
AGHT	against greasy hair tonic
ARAC	all round hair care
BLH	brittle light hair
DLH	dull loose/light hair
DPC	dandruff preventative cares
GHC	greasy hair conditions
NSH	normal hair conditions
PAD	prevention of dandruff
PCP	pre-cold perm
RVH	revitalisation of hair & sheen
THR	thinning hair restorative
UV A&B	UV filter / absorber

# OKINAWAN HERB EXTRACTS

## TECHNICAL DATA SHEETS

And

## SPECIFICATIONS

# **OKINAWAN HERB EXTRACTS**

CAMPO RESEARCH

PRODUCT #940.0060

OKINAWAN MEDICINAL HERBAL EXTRACTS FOR COSMETICS FORMULATIONS

## **PRODUCT TECHNICAL DATA SHEET**

**PRODUCT Name (Campo Research)** CAMPO CITISU HYDROGLYCOL EXTRACT  
**Other Trade Names (Campo Research)** Chitisu-Chinese; Chitisu-Aino; Chitisu-Okinawan; Chitisu-Japanese

**CTFA TRADE NAME** CAMPO CITISU

**Existing CTFA/INCI Name** Lentinus edodes; Camelliaa japonica seed; Corydallis Ambigua.

**CAMPO PRODUCT #** 940.0060

**CAS#** N/A  
**EINECS#** N/A  
**EINECS Name :** N/A  
**English name:** Royal Jelly Shitake formula

**Other names:** Chitisu - Chinese  
 Chitisu - Aino  
 Citisu - Okinawan vernacular  
 Chitisu - Japanese

**Reference literature:** Chinese Herbs, their Botany, Chemistry & Pharmacodynamics,  
 John D. Keys, (1976), Tokyo, Japan (Eng.)  
 Chuyaku Daijiten, 1970, Tokyo (Japanese)

<b>Active substances:</b>	<b>tannin</b>	<b>astrigent</b>
	<b>phytosterols</b>	<b>protective cares</b>
	<b>vegetable sulphur</b>	<b>protective &amp; antimycotic agent</b>
	<b>vitamins</b>	<b>regenerative</b>
	<b>essential oils</b>	<b>stimulation of scalp metabolism</b>
	<b><math>\gamma</math>-linoleic acid</b>	<b>restorative</b>
	<b>UVZ<sub>TM</sub> filter</b>	<b>UV A&amp;B filter / absorbtion</b>

### **Ethnobotany:**

This is an endemic remedy known locally to **Okinawans** and inhabitants on other proximal offshore islands now belonging to Taiwan.

Crude plant drugs in the proportions described above are used to produce lotions for remedial action against problematic hair, particularly thinning hair and hair susceptible to dandruff. The lotions are normally used to stimulate and vitalise the hair and exhibit a very pronounced anti-seborrheic effect.

### **Applications and dosage recommendations:**

This particular remedy is recommended specifically for use in hair restorative formulations, particularly that intended to ameliorate conditions of thinning hair, and for treating hair with a tendency to develop dandruff.

Anti-thinning lotions & sprays 10 - 15% as required  
 Anti dandruff preventative products 5 -10%

Hair restorative tonics 25-50%

**Application codes:** PAD, THR, RVH

**SPECIES** Lentinus edodes; Camellia japonica seed; Corydalis Ambigua Syn: Lentinus edodes; Camellia japonica seed; Corydalis Ambigua

**PARTS USED** Royal Jelly - 80%  
Lentinus edodes L.(shitake) - 10%  
Camellia japonica L. - (Ban Cha Tea Seed) - 5%  
Corydalis yanhusuo (Cham et. Schlect) root bark - 5%

**RAW MATERIAL -ORIGIN** OKINAWA

**CONCENTRATION** 1.0 kg extract = 25.5 kg Chititsu

Specification Parameter Analysis	Specification Range	Methods
Physical Form	Liquid	Visual
Colour	Yellowish	Visual
Odour	Characteristic	Oil factory
Specific Gravity(20deg.C)	1.040 - 1.065	USP XXIX / Paar, DMA35
Refractive Index(20deg.C)	1.370 - 1.387	USP XXIX / DGF IV C (52)
pH(20deg.C.) (100% concentrate)	5.9 - 6.5	USP XXIX / DGF H III(92)
<b>Carrier Menstrual (Vehicle)</b>		
Water	45 - 85%	-
Propylene Glycol	25 - 50%	-
Saponification Value	Soluble	-
Viscosity	-	-
Dry Residue (160 Deg. C / 2hrs)	1 - 15%	Mettler 16J
Preservation	Nil	-
Pesticide Content	Nil	Pflanzaniaschuttal 1989
Total Germs	<100cfu/ml	USP XXIX / Ph.Eur2.6.12 (97)
Total Yeast/Mold	<100cfu/ml- <b>non-pathgenic</b>	USP XXIX / Ph.Eur2.6.12 (97)
Heavy Metals(Total)As,Pb,Hg	<0.10ppm	USP XXIX / Ph.Eur2.6.12 (97)

**Comments:**

This material has not been animal tested for efficiency, bioavailability or therapeutic content.  
This botanical material is wildcrafted from Okinawa, Japan and Tur Hua Island (Taiwan).

External use only.

NOT FOR DRUG USE

# **OKINAWAN HERB EXTRACTS**

CAMPO RESEARCH

PRODUCT #940.0030

OKINAWAN MEDICINAL HERBAL EXTRACTS FOR COSMETICS FORMULATIONS

## **PRODUCT TECHNICAL DATA SHEET**

PRODUCT Name (Campo Research)	CAMPO ENGOSAKU HYDROGLYCOL EXTRACT
Other Trade Names(Campo Research)	Yanhusuo, Ingme Extract
CTFA TRADE NAME	CAMPO ENGOSAKU
Existing CTFA/INCI Name	Corydalis Ambigua
CAMPO PRODUCT #	940.0030
User's/Client's Name:	
CAS#	N/A
EINECS#	N/A
EINECS Name :	N/A
English name:	
Other names:	Yanhusuo, Hu Suo Hua - <i>Chinese</i> Ing kuru - <i>Aino</i> Ingme, Engosaku - <i>Okinawan vernacular</i> Engemeisu Engzok - <i>Japanese</i>

**Reference literature:** Chinese Herbs, their Botany, Chemistry & Pharmacodynamics,  
John D. Keys, (1976), Tokyo, Japan (Eng.)  
Chuyaku Daijiten, 1970, Tokyo (Japanese)

<b>Active substances:</b>	<b>thymol</b> <b>phytosterols</b> <b>vegetable sulphur</b> <b>vitamins</b> <b>salicylic acid</b> <b>essential oils</b> <b>isocorydine</b> <b>UVzymes TM</b>	<b>anti-septic</b> <b>protective care</b> <b>anti-mycotic agent</b> <b>regenerative</b> <b>strengthening &amp; keralytic effects</b> <b>stimulates scalp metabolism</b> <b>stimulating</b> <b>UV A&amp;B filter / absorbtion</b>
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Isocorydine and bulbocapnine are present in very small quantities; their actions are to subtly stimulate the follicles and peripheral scalp circulation in a very specific and spontaneous way.

### **Ethnobotany:**

**Engosaku** is used medicinally as an analgesic for headaches, gastralgia and menstrual colic. It is also prescribed as a sedative and antispasmodic.

In traditional hair care remedies, a lotion prepared from the rootlets and flowers, generally as a one year old infusion, is used for a period of 45 days to stimulate the scalp and remove dandruff effectively preventing its recurrence.

### **Applications and dosage recommendations:**

In hair care preparations, the combination of vegetable sulphur and salicylic acid make this a very effective addition to anti-dandruff formulations and formulations for the treatment of greasy hair and scalp conditions. It can also be used effectively as a general protective and improver of hair and scalp conditions through its ability to stimulate and improve the peripheral blood circulation of the scalp.

Anti-dandruff lotions & sprays	10 -15% as required
Anti-dandruff shampoos & conditioners	5 - 10%
General hair care and degreasing	1 - 3%

**Application codes: ADT,PAD,GHC,AGH**

SPECIES	Corydalis ambigua Syn: Corydalis ambigua Cham et. Schlect (Corydalis yanhusuo (Cham et. Schlect))
PARTS USED	Prepared and cured rootlets and flowers
RAW MATERIAL - ORIGIN	OKINAWA
CONCENTRATION	1.0 kg extract = 12.5 kg Engosaku

Specification Parameter Analysis	Specification Range	Methods
Physical Form	Liquid	Visual
Colour	Dark brown	Visual
Odour	Thyme like aroma derived from the flowers	Oil factory
Specific Gravity(20deg.C)	1.010 - 1.050	USP XXIX / Paar, DMA35
Refractive Index(20deg.C)	1.450 - 1.490	USP XXIX / DGF IV C (52)
pH(20°C.)(100% concentrate)	2.0 - 4.0	USP XXIX / DGF H III (92)
<b>Carrier Menstrual (Vehicle)</b>		
Water	60 - 85%	-
Propylene Glycol	30 - 40%	-
Water Solubility	Soluble	-
Dry Residue (160 Deg. C / 2hrs)	1 - 15%	Mettler 16J
Saponification Value	-	-
Viscosity	-	-
Preservation	Nil	
Pesticide Content	Nil	Pflanzaniaschuttal 1989
Total Germs	<100cfu/ml	USP XXIX / Ph.Eur2.6.12 (97)
Total Yeast/Mold	<100cfu/ml- <b>non-pathogenic</b>	USP XXIX / Ph.Eur2.6.12 (97)
Heavy Metals(Total)As,Pb,Hg	<0.10ppm	USP XXIX / Ph.Eur2.6.12 (97)

#### Comments:

This material has not been animal tested for efficiency, bioavailability or therapeutic content.  
This botanical material is wildcrafted from Okinawa, Japan, and Tur Hua Island (Taiwan).

External use only.

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# OKINAWAN HERB EXTRACTS

CAMPO RESEARCH

PRODUCT #940.0090

OKINAWAN MEDICINAL HERBAL EXTRACTS FOR COSMETICS FORMULATIONS

## PRODUCT TECHNICAL DATA SHEET

PRODUCT Name (Campo Research) Other Trade Names(CampoResearch)	CAMPO RYUTAN HYDROGLYCOL EXTRACT Long Dan Yao - Chinese; Eitsi - Aino; Eitsitan, Ryutan - Okinawan Vernacular; Kenkon - Japanese
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CTFA TRADE NAME	CAMPO RYUTAN
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Existing CTFA/INCI Name	Gentiana scabra Bunge
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CAMPO PRODUCT #	940.0090
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CAS#	N/A
EINECS#	N/A
EINECS Name	N/A
English name:	gentian root

Other names:	Long Dan Yao - <i>Chinese</i> Eitsi - <i>Aino</i> Eitsitan, Ryutan - <i>Okinawan vernacular</i> Kenkon – <i>Japanese</i>
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Reference literature	Chinese Herbs, their Botany, Chemistry & Pharmacodynamics, John D. Keys, (1976), Tokyo, Japan (Eng.) Chuyaku Daijiten, 1970, Tokyo (Japanese)
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Active substances:	<table> <tr> <td>tannins</td> <td>astringent</td> </tr> <tr> <td>phytosterols</td> <td>protective care</td> </tr> <tr> <td>saponins</td> <td>cleansing</td> </tr> <tr> <td>vitamins</td> <td>regenerative</td> </tr> <tr> <td>essential oils</td> <td>stimulates scalp metabolism</td> </tr> <tr> <td>UVzymes™</td> <td>UV A&amp;B filter / absorbtion</td> </tr> </table>	tannins	astringent	phytosterols	protective care	saponins	cleansing	vitamins	regenerative	essential oils	stimulates scalp metabolism	UVzymes™	UV A&B filter / absorbtion
tannins	astringent												
phytosterols	protective care												
saponins	cleansing												
vitamins	regenerative												
essential oils	stimulates scalp metabolism												
UVzymes™	UV A&B filter / absorbtion												

### Ethnobotany:

**Ryutan** has traditionally been used in folk hair care remedies to prepare a lotion for the daily maintenance of sheen and vitality.

The various methods used to prepare the roots, which may effectively be viewed as crude plant drugs, provide different functionality specific to the preparative treatment and curing process to which the root is subject.

The use of Ryutan will normally stimulate and vitalise the hair, at the same time providing a very Pronounced sheen and vitality. Although Ryutan us a normally used name, according to the Kampo system of traditional medicine it should be qualified by the name Ryutan Sho Zen.

### Applications and dosage recommendations:

**Ryutan** has a broad-spectrum effect on normal hair in terms of manageability, sheen, and vitality and also offers preventative hair care and maintenance.

General hair cares 10 - 15%  
Shampoos for sheen & vitality 5 - 10%  
Rinses for manageability 5%

**Application code ARHC, SLH, & RVH**

SPECIES Gentiana scabra Bunge  
Syn: Gentiana scabra Bunge  
PARTS USED Prepared roots  
RAW MATERIAL - ORIGIN OKINAWA  
CONCENTRATION 1.0 kg extract = 6.62 kg Ryutan

Specification Parameter Analysis	Specification Range	Methods
Physical Form	Liquid	Visual
Colour	Brownish	Visual
Odour	Characteristic spicy aroma	Oil Factory
Specific Gravity(20deg.C)	1.020 - 1.040	USP XXIX / Paar,DMA35
Refractive Index(20deg.C)	1.356 - 1.376	USP XXIX / DGF IV C (52)
pH(20°C) (100% Concentrate)	5.5 - 6.5	USP XXIX / DGF H III (92)
<b>Carrier Menstrual (Vehicle)</b>		
Water	50 - 80%	-
Propylene Glycol	30 - 40%	-
Water Solubility	Soluble	-
Saponification Value	-	-
Viscosity	-	-
Dry Residue (160deg.C / 2hrs)	1 - 15%	Mettler 16J
Preservation	None	-
Pesticide Content	None	Pflanzaniaschuttal 1989
Total Germs	<100 Cfu/ml - <b>Non-Pathogenic</b>	USP XXIX / Ph.Eur2.6.12 (97)
Total Yeast/Mold	<100 Cfu/ml	USP XXIX / Ph.Eur2.6.12 (97)
Heavy Metals(Total)As,Pb,Hg	<0.10 ppm	USP XXIX / Ph.Eur2.6.12 (97)

**Comments:**

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# **OKINAWAN HERB EXTRACTS**

CAMPO RESEARCH

PRODUCT # 940.0010

OKINAWAN MEDICINAL HERBAL EXTRACTS FOR COSMETICS FORMULATIONS

## **PRODUCT TECHNICAL DATA SHEET**

PRODUCT Name (Campo Research)	CAMPO SHAKO NAKAI HYDROGLYCOL EXTRACT Shao Yao, Bai Shao, And Pei Shao - Chinese Sha Nogo, Nogo Kuru - Aino Shako Nakai, Shako - Okinawan Vernacular Shaku Yaku, Shakoyaku - Japanese
Other Trade Names(CampoResearch)	
CTFA TRADE NAME	CAMPO SHAKO NAKAI
Existing CTFA/INCI Name	Paeonia lactiflora
CAMPO PRODUCT #	940.0010
CAS#	N/A
EINECS#	N/A
EINECS Name:	N/A
English name:	Chinese White Peony
Other names:	Shao Yao, Bai Shao, and Pei Shao - <i>Chinese</i> Sha Nogo, Nogo Kuru - <i>Aino</i> Shako Nakai, Shako - <i>Okinawan vernacular</i> Shaku Yaku, Shakoyaku - <i>Japanese</i>

**Reference literature:** Chinese Herbs, their Botany, Chemistry & Pharmacodynamics, John D. Keys, (1976), Tokyo, Japan (Eng.)  
Chuyaku Daijiten, 1970, Tokyo (Japanese)

<b>Active substances:</b>	<p>paeonol phytosterols vitamin E vitamins showa nagi* UVzymes™</p>	<p>anti-septic protective care protective regenerative strengthening UV A&amp;B filter / absorbtion</p>
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\* **Showa nagi** is a proprietary name for a complex of hydrolysates similar in structure to human hair isolated from is a proprietary name for a complex of hydrolysates similar in structure to human hair isolated from keratin compounds found in the fresh root bark sap of Paeonia.

### **Ethnobotany:**

**Shaku Yaku** is used medicinally for gastric disorders, as an internal anti-septic, expectorant, emmenagogue and as a hair strengthener and manageability aid in traditional hair care formulations.

### **Applications and dosage recommendations:**

The presence of **Showa nagi** makes **Shaku Yaku** ideal for incorporation in many hairs strengthening formulations particularly those used for treatment and structural improvement of the hair, especially fine and fly away hair, prior to cold perm treatment. The other uses are as a protective and general improver of hair in order for it to withstand the effects of cold perms and other treatments. A pre-treatment with Shaku Nakai strengthens the hair and facilitates its styling. In general hair care, Shaku Yaku will offer structural strengthening improved manageability of fine and fly away hair and uniquely improve the hair lustre.

Pre-cold perm lotions	10 - 15% as required
Shampoos & rinses	3 - 5%
Structural strength washoff lotions	1 - 3%
General hair cares products	1 - 3%

**Application codes:** **NSH, BLH, PCP, and DLH**

SPECIES	Paeonia lactiflora Syn: Paeonia lactiflora (Paeonia lactiflorum Pall.Var.Pelluanens (Nagai))
PARTS USED	Prepared and cured bark peeling and tree sap (lacto-sap gum ersin filtered from succulent bark inner peel and prepared and cured as a botanical drug).
RAW MATERIAL - ORIGIN	OKINAWA
CONCENTRATION	1.0 kg extract = 2.5kg Shaku Yaku

Specification Parameter Analysis	Specification Range	Methods
Physical Form	Liquid	Visual
Colour	Clear, Yellow	Visual
Odour	Characteristic sap	Oil Factory
Specific Gravity(20deg.C)	1.040 - 1.060	USP XXIX / Paar, DMA35
Refractive Index(20deg.C)	1.360 - 1.380	USP XXIX / DGF IV C (52)
pH (20° C) (100% Concentrate)	4.0 - 7.0	USP XXIX / DGF H III (92)
Carrier Menstrual (Vehicle)		
Water	55. 5 - 95. 5%	-
Propylene Glycol	15. 5 - 30. 5%	-
Water Solubility	Soluble	-
Saponification Value	-	-
Viscosity	-	-
Dry Residue (160deg.C / 2hrs)	1-15%	Mettler 16J
Preservation	None	-
Pesticide Content	None	Pflanzaniaschuttal 1989
Total Germs	<100 CfU/ml - Non-Pathogenic	USP XXIX / Ph.Eur2.6.12 (97)
Total Yeast/Mold	<100 CfU/ml	USP XXIX / Ph.Eur2.6.12 (97)
Heavy Metals(Total)As,Pb,Hg	<0.10 ppm	USP XXIX / Ph.Eur2.6.12 (97)

**Comments:**

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# OKINAWAN HERB EXTRACTS

CAMPO RESEARCH

PRODUCT# 940.0050

OKINAWAN MEDICINAL HERBAL EXTRACTS FOR COSMETICS FORMULATIONS

## PRODUCT TECHNICAL DATA SHEET

PRODUCT Name (Campo Research)	CAMPO TOHASAKU HYDROGLYCOL EXTRACT White Mulberry; Sang Bi Shan Pi Fen - Chinese;
Other Trade Names(CampoResearch)	Tosikuru - Aino ;Tohia, Tohasaku - Okinawan vernacular ; Sohakuhi - Japanese (related drugs)
CTFA TRADE NAME	CAMPO TOHASAKU
Existing CTFA/INCI Name	Mulberry (Morus Alba)
CAMPO PRODUCT #	940.0050
CAS#	N/A
EINECS#	N/A
EINECS Name	N/A
English name:	White mulberry
Other names:	Sang Bi Shan Pi Fen - <i>Chinese</i> Tosikuru - <i>Aino</i> Tohia, Tohasaku - <i>Okinawan vernacular</i> Sohakuhi - <i>Japanese</i> (related drugs)

**Reference literature:** Chinese Herbs, their Botany, Chemistry & Pharmacodynamics, John D. Keys, (1976), Tokyo, Japan (Eng.)  
Chuyaku Daijiten, 1970, Tokyo (Japanese)

<b>Active substances:</b>	<b>tannins</b>	<b>astringent</b>
	<b>phytosterols</b>	<b>protective care</b>
	<b>vegetable sulphur</b>	<b>anti-mycotic agent</b>
	<b>vitamins</b>	<b>regenerative</b>
	<b>essential oils</b>	<b>stimulates scalp metabolism</b>
	<b>saponins</b>	<b>cleansing</b>
	<b>UVzymes™</b>	<b>UV A&amp;B filter / absorbtion</b>

### Ethnobotany:

**Tohasaku** is used medicinally as a tonic, anti-phlogistic and hypotensor.

On tradition folk hair care remedies; a lotion prepared from stem cuttings and leaves is prepared as a degreasing wash. It also serves to stimulate the scalp effectively minimising the recurrence of the greasy conditions.

Other uses of **Tohasaku** employ a preparation of the stem bark as a skin whitener.

### Applications and dosage recommendations:

In hair care preparations, the combination of vegetable sulphur and tannins combine to make this a very effective addition to anti-dandruff formulations and formulations for the treatment of greasy hair and scalp conditions.

Degreasing hair tonics	4 - 6%
Specific degreasing shampoos	2 - 5%
Degreasing conditioner	2 - 5%

**Application codes: AGH, AGHT, and PAD**

SPECIES	Mulberry (Morus Alba) Syn: Mulberry (Morus Alba) (Morus alba L.)
PARTS USED	Prepared and cured stems and leaves
RAW MATERIAL - ORIGIN	OKINAWA
CONCENTRATION	1.0 kg extract = 10.5 kg Tohasaku

Specification Parameter Analysis	Specification Range	Methods
Physical Form	Liquid	Visual
Colour	Dark brown	Visual
Odour	Woody aroma	Oil Factory
Specific Gravity(20deg.C)	1.017 - 1.120	USP XXIX / Paar,DMA35
Refractive Index(20deg.C)	1.456 - 1.490	USP XXIX / DGF IV C (52)
pH(20°C)(100% Concentrate)	2.0 - 3.0	USP XXIX / DGF H III (92)
<b>Carrier Menstrual (Vehicle)</b>		
Water	50. 5 - 90. 5%	-
Propylene Glycol	15. 5 - 30. 5%	-
Water Solubility	Soluble	-
Saponification Value	-	-
Viscosity	-	-
Dry Residue (160deg.C / 2hrs)	1 - 15%	Mettler 16J
Preservation	None	-
Pesticide Content	None	Pflanzaniaschuttal 1989
Total Germs	<100 CfU/ml - <b>Non-Pathogenic</b>	USP XXIX / Ph.Eur2.6.12 (97)
Total Yeast/Mold	<100 CfU/ml	USP XXIX / Ph.Eur2.6.12 (97)
Heavy Metals(Total)As,Pb,Hg	<0.10 ppm	USP XXIX / Ph.Eur2.6.12 (97)

**Comments:**

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# Okinawan Herbs Gallery



Engosaku  
*Corydalis yanhusuo*



Ryutan  
*Gentiana scabra*



Tohasaku  
*Morus Alba*



Shako nakai  
*Paeonia lactiflorum* Pall.

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They are for EXTERNAL use only is NOT FOR DRUG USE.

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\*\*\*THE END\*\*\*



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