

TECHNICAL SPECIFICATION

CAMPO SONGYI



MUSHROOM

CERAMIDE OIL EXTRACT

P#98-19-09 ULI

CAMPO RESEARCH



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CAMPO® Multi-Purpose Cosmetic Base Chemicals & Active Ingredients
CAMPO® Novel Functional Active Cosmetic Ingredients and Raw-Materials

TECHNICAL SPECIFICATION

Campo Songyi Mushroom Ceramide Oil Extract for Skin-Whitening Products.

Other Trade Name(s):

**Matsutake Gel Ceramide Oil Extract /
Songyi Mushroom Ceramide Oil Extract**

INCI Name: Mushroom Extract (and) Ceramide 3 (and) Water

Proposed INCI Name:

Tricholoma matsutake Extract (and) Ceramide 3 (and) Water

Product#	98-19-09 ULI
Latin name of Species:	Tricholoma matsutake Singer
Parts Used:	Whole Mushroom-Freezed Dried
Appearance:	Yellowish Brown Viscous Slowing Flowing Liquid
Odor:	Characteristic faint
Specific Gravity (20 deg.C):	1.200 - 1.450
Refractive Index (20 deg.C):	1.250 -1.450
pH (20 deg.C):	1.5 – 3.5
Solvent(s):	Carbon dioxide gas
Carrier menstrual (vehicle):	amphilic ceramide oil 50%; Water 25%
Preservative:	None
Anti-oxidants:	None
Total Germs,(WHO standard):	< 100 cfu/ml Non-pathogenic
Total Yeast / Molds:	< Nil
Heavy Metals (total) Pb, As, Hg:	< 0.005 ppm

Formulation Dosage Comments:

Dissolve Songyi Mushroom Ceramide Oil Extract **about >0.075% - >0.150% for skin-whitening soap bars or >2.5% to the formulation of Skin-Whitening Cremes and Lotions**

Storage Comments:

Shake Very Well or Agitate Very thoroughly the containers of the Contents (in the drums) into an uniform mixture before Use or Addition of this material to the Soap Noodles at the mixer stage of the Soap bar manufacturing.

Shake Very Well or agitate Very thoroughly the containers of the Contents (in the Drums) into a uniform mixture before addition of this mixed material to the formulary of creams or lotions

Storage

Darkening of this material may be experienced, if stored more than 12 months at > 45 Degrees Centigrade and Avoid Long or over 24 hours exposure to >45 Degrees Centigrade atmosphere, without lids being airtight.

Long term storage (>12 months) is recommended in airtight containers in a cool and dark place at temperature <30 Degree Centigrade.

Clinical Efficacy of Songyi



BEFORE



AFTER

0.05% Campo Songyi Mushroom Gel Oil based **Skin whitening Soap bar's** rich lather and 0.5% Campo Songyi Gel Liquid 25% and 10% Campo Songyi Mushroom Ceramide Oil Extract based **Skin de-pigmentation cream** was applied 3 x a day for 7 days on the subject's facial areas.

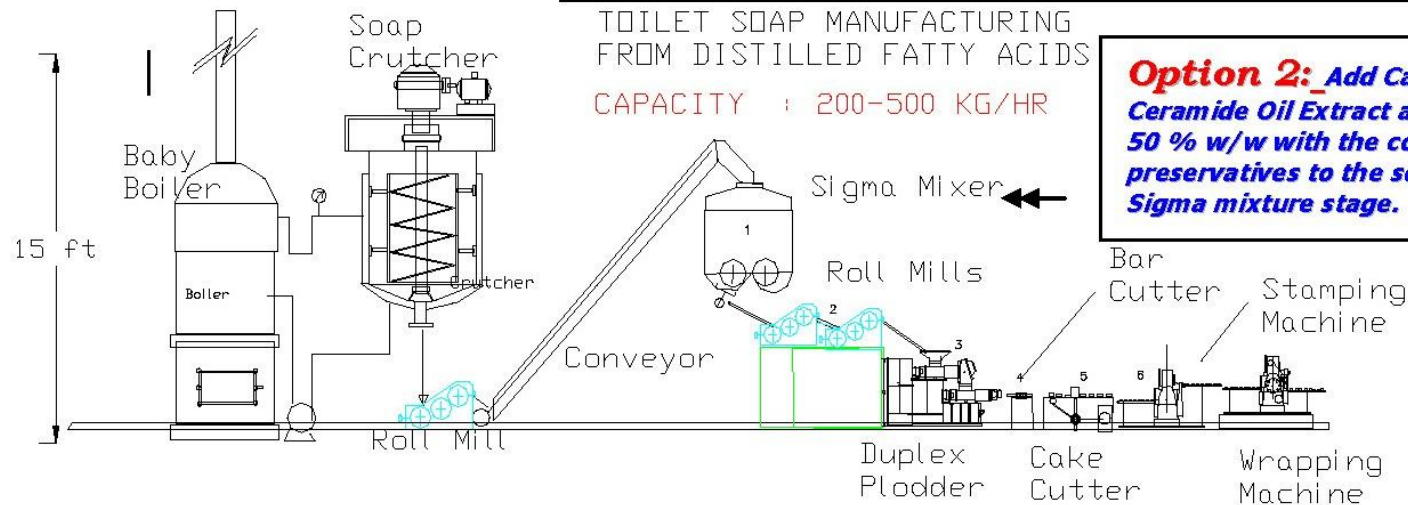
Results: 75% success in de-pigmentation, natural lighten skin tone, removal of acne induced blemishes and dark age spots from the subject's facial application areas.

OTHER SPECIAL CONDITIONS MONITORED DURING CLINICAL ASSAY

- 1 Urine samples of human volunteers were daily taken and exposure to air, to evaluate any existence of **Alkaptonuria**.
Results: None observed
- 2 Examination of the external ears of the human subjects were conducted daily to evaluate any existence of **Alkaptonuria**
Results: None observed in the subject's external ears (not blackened as blackened is a sign of **Alkaptonuria**)

NOVEL SKIN-WHITENING TOILET SOAP PROCESS LINE :

Skin whitening soap bars manufacturing for Africa, Asia & South/Central America with Campo Skin Whitening Actives Ingredients



Option 1:
Add Campo Songyi Mushroom Ceramide Oil Extract at min. w/w >0.075 to >0.150% w/w to the soap noodles/chips at Soap Crutcher stage.

Campo Songyi Mushroom Ceramide Oil Extract is also known as and/or also known as Songyi Oil Extract and Songyi Vegetable Extract.

These various "other trade names" are for the purpose of circumspect the custom & excise importation restrictions in your country, if any

Campo Skin-Lightening formula

Tropics & Sub-Tropics Skin-Whitening Light Cream for Asian Skin Type.

<p><u>Light Cream CS001</u></p> <p>3.2% Cithrol GMS 0402 } 4.0% Crill 3 } emulsifiers 0.8% Crodet S40 }</p> <p>2% Campo Ceramide Oil 4% Campo Stevia Oil 1% Cetyl Alcohol</p> <p>>2.5% Songyi Mushroom Ceramide Oil Extract (Percentage of Songyi to be used for heavy melanin pigmented skin)</p> <p>2% Glycerine 0.3% Campo Plantservative WM Top up to 100% water</p>	<p><u>Light Cream CS065</u></p> <p>3.2% Cithrol GMS 0802 } 4.0% Crill 3 } emulsifiers 0.8% Volpo S20 }</p> <p>2% Campo Ceramide Oil 4% Campo Stevia Oil 1% Cetyl Alcohol</p> <p>>2.5% Songyi Mushroom Ceramide Oil Extract (Percentage of Songyi to be used for heavy melanin pigmented skin)</p> <p>2% Glycerine 0.3% Campo Plantservative WM Top up to 100% water</p>	<p><u>Light Cream CS068</u></p> <p>3.2% Cithrol GMS 0802 } 4.0% Crill 3 } emulsifiers 0.8% Crodet S40 }</p> <p>2% Campo Ceramide Oil 4% Campo Stevia Oil 1% Cetyl Alcohol</p> <p>>2.5% Songyi Mushroom Ceramide Oil Extract (Percentage of Songyi to be used for heavy melanin pigmented skin)</p> <p>2% Glycerine 0.3% Campo Plantservative WM Top up to 100% water</p>
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Procedure

1. Emulsifiers were dissolved using microwave for approximately 2 minutes or in a steam-jacket vessel till dissolved.
Oil phase (emulsifiers, **Oil Campo Clear Colorless Ceramide**, **Campo Stevia Oil** & Cetyl Alcohol) were mixed and heated to 70°C.
2. Water phase (**Songyi Mushroom Ceramide Oil Extract**, Glycerine, **Campo Plantservative WM (natural plant origin preservative)**, water – boiled, etc) were added to water at 70°C. Add oil phase to water phase.
3. Stir mixture for approximately 1 hour until mixture is cooled to ~ 30°C.

Note:

These formularies will produce a novel Skin-whitening crème/lotion that do not have the “**sweating oily skin feel after sweating in humid tropics or in temperate summer time**” as unlike to common problem in most European based Skin Whitening creams/lotions (sweating oily residue feel)

This formulation has been subjected to limited stability tests and has been shown to perform well. However, formulators adopting this approach should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

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