

ProBiocin™ V

Code: M14005

Use Level: 2.0 - 4.0%
Benefits: Antimicrobial /
Moisturizing / Scalp Care

INCI: Lactobacillus Ferment Lysate

Captures an optimized production method to isolate bacteriocin peptides from the probiotic bacterium *Lactobacillus acidophilus*. This active system provides gentle benefits to the skin and scalp, limits disruption to the microbiome and offers a new global approach to alternative preservative technologies for use in personal care.

Standardized Content: 5 - 10% Bacteriocins



Leucidal® Liquid

Code: M15008

Use Level: 2.0 - 4.0%
Patent: US 10,159,708
Benefits: Antimicrobial /
Moisturizing / Postbiotic

INCI: Leuconostoc/Radish Root Ferment Filtrate

Derived from *Leuconostoc kimchii*, a bacterium inoculated from Kimchi. Cultured in a defined growth medium containing radish root with cell lysis catalyzed by a willow bark extract. This specific manufacturing process yields unique peptides with broad spectrum antimicrobial and conditioning properties.

Standardized Content: 18 - 22% Natural Salicylates & 0.1 - 0.5% Bacteriocins



Leucidal® SF Max

Code: M15019MAX

Use Level: 2.0 - 4.0%
Patent: US 10,232,197
Benefits: Antimicrobial /
Moisturizing / Postbiotic

INCI: Lactobacillus Ferment

Derived from *Lactobacillus acidophilus*, a probiotic bacterium. Cultured in a defined growth medium with cell lysis catalyzed by an enzyme. This specific manufacturing process yields unique peptides with broad spectrum, antimicrobial and conditioning properties. This ferment is salicylate free.

Standardized Content: 5 - 10% Bacteriocins



AMTicide® Coconut

Code: M14003

Use Level: 2.0 - 4.0%
Benefits: Anti-fungal /
Moisturizing / Postbiotic

INCI: Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract

Intended to be coupled with one of our broad-spectrum antimicrobials or any preservative package that is lacking in protection against yeast and mold. Created by fermenting *Cocos nucifera* (coconut) fruit with *Lactobacillus* to deliver a non-irritating, anti-fungal and effective multifunctional product.

Standardized Content: 0.5% minimum Lipopeptides



AMTicide® VAF

Code: M14004

Use Level: 1.0% Maximum
Benefits: Anti-fungal /
Moisturizing / Volatile

INCI: Bacillus Ferment & Saccharomyces Ferment Filtrate

A natural, volatile anti-fungal solution to prevent microbial growth associated with packaging. Developed by co-fermenting bacteria and yeast in a defined growth media to deliver a non-irritating multifunctional product capable of inhibiting the growth of fungus in packaging head-space.



Leucidal® Liquid Complete

Code: M15024

Use Level: 2.0 - 4.0%
Benefits: Antimicrobial / Mois-
turizing / Postbiotic

INCI: Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract

A 75/25 blend of Leucidal® Liquid with AMTicide® Coconut to offer a broad-spectrum antimicrobial in one product. This complex offers moisturizing and conditioning benefits in skin and hair care applications as well as protection to any formulation.

Standardized Content: 14 - 17% Natural Salicylates & 0.1 - 0.5% Bacteriocins



Leucidal® SF Complete

Code: M15025

Use Level: 2.0 - 4.0%
Benefits: Antimicrobial / Mois-
turizing / Postbiotic

INCI: Lactobacillus Ferment & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract

A 75/25 blend of Leucidal® Liquid SF with AMTicide® Coconut to offer a broad-spectrum antimicrobial in one product. This complex offers moisturizing and conditioning benefits in skin and hair care applications as well as protection to any formulation.

Standardized Content: 1 - 10% Bacteriocins



Leucidal® Liquid PT

Code: M15021

Use Level: 2.0%
Benefits: Antimicrobial /
Moisturizing

INCI: Lactobacillus Ferment

A fermentation product of Lactobacillus acidophilus in the presence of sustainable castor oil. The biotransformation of castor oil generates water soluble undecylenates, enhancing anti-fungal activity.

Designed for use in pressed powder applications



Arborcide® OC

Code: M15010

Use Level: 2.0 - 4.0%

Benefits: Antimicrobial /
Moisturizing

USDA NOP Organic Compliant

INCI: Leuconostoc Ferment Filtrate

Derived from *Leuconostoc kimchii*, a bacterium inoculated from Kimchi. Cultured in a defined growth medium with cell lysis catalyzed by a willow bark extract. This specific manufacturing process yields unique peptides with broad spectrum antimicrobial and conditioning properties.

Standardized Content: 18 - 22% Natural Salicylates



PhytoCide Elderberry OS

Code: M16003

Use Level: 1.0 - 5.0%

Benefits: Antimicrobial /
Antioxidant / Conditioning

INCI: Sambucus Nigra Fruit Extract

Elderberries are known to be rich in undecylenic acid and flavonoids. These phytochemicals can provide effective antimicrobial and antioxidant benefits. This natural oil-soluble extract can be used to enhance both antimicrobial and conditioning properties in oil based formulations, such as lip sticks, which may be at risk of microbial contamination during their life in use.



PhytoCide Black Currant Powder

Code: M16001

Use Level: 1.0 - 3.0%

Benefits: Antimicrobial /
Conditioning

INCI: Ribes Nigrum (Black Currant) Fruit Extract

Black currants are known to be rich in ellagitannins and anthocyanins. These phytochemicals can provide effective antimicrobial, antioxidant and anti-inflammatory benefits. This natural, multifunctional, spray dried powder can be used to enhance both antimicrobial and conditioning properties within a formulation.

Standardized Content: 1.5 - 4% Citric Acid



PhytoCide Aspen Bark Extract Powder

Code: M16002

Use Level: 0.2 - 3.0%

Benefits: Antimicrobial /
Moisturizing / Problem Skin

INCI: Populus Tremuloides Bark Extract

Aspen Bark is known to be rich in natural salicylates. These can provide effective antimicrobial activity as well as improving cellular renewal for a smooth and even skin texture. This natural, multifunctional, spray dried powder can be used to enhance both antimicrobial and conditioning properties within a formulation.

Standardized Content: 54 - 60% Natural Salicylates



SynerCide Asian Fusion

Code: M17001

Use Level: 1.0 - 2.0%

Benefits: Antimicrobial/
Moisturizing

INCI: Hexylene Glycol & Caprylyl Glycol & Wasabia Japonica Root Extract & Zingiber Officinale (Ginger) Root Extract & Allium Sativum (Garlic) Bulb Extract

A synergistic blend of wasabi, ginger and garlic. These traditional Asian botanicals can provide potent anti-ageing, conditioning and antimicrobial benefits.

