

PRESERVE your reputation

CustoNatural™

Natural Preservatives



Custom® **INGREDIENTS, INC.**

Preserve your reputation

1-803- 377 -1213 • sales@custoblend.com

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Introduction

Considering the emerging need in the global market for natural preservatives, *Custom*[®] INGREDIENTS, INC. introduces CustoNatural™ – Natural preservatives developed as an alternative to synthetic preservatives. CustoNatural™ provides excellent protection against various types of common organisms in a typical emulsions and surfactant systems at pH 7 or below.

Features and Benefits

- Broad Spectrum – Tests show excellent bacterial and fungal control
- Compatible at pH 3–7
- Compatible with a wide range of ingredients, including herbals, proteins and polymer systems
- Can be added to any phase of the manufacturing process
- Can tolerate temperatures up to 50 degrees C
- Good safety profile

Preserved by Nature

CustoNatural™ are formulated from a variety of essential oils that are chosen for their antibacterial and antioxidant characteristics while maintaining a nice aroma suitable for most natural product formulas.

Oils	INCI Name	Part Used	Extraction Method
Holy Basil	Ocimum Sanctum (Tulsi) Leaf Extract	Leaves	SCO ₂ Extraction Method
Clove Bud Oil	Syzygium aromaticum (Clove) Bud Oil	Buds	SCO ₂ Extraction Method
Cinnamon Leaf	Cinnamomum Zeylanicum (Cinnamon) Leaf Oil	Leaf	Steam Distillation
Curry Leaf	Murraya Koenigii (Curry) Leaf Oil	Leaf	Steam Distillation
Lemongrass Oil	Cymbopogon Citratus (Lemongrass) Oil	Fresh or partially dried grass	Steamed Distillation Method
Sesame Oil	Sesamum Indicum (Sesame) Seed Oil	Seeds	Cold Pressing Method
Orange Oil	Citrus Aurantium Amara (Bitter Orange) Oil	Glands / Orange Peels	SCO ₂ Extraction & Steam Distillation
Turmeric Oil	Curcuma Longa (Turmeric) Root Oil	Dried rhizomes	SCO ₂ Extraction Method

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Products and Uses

CustoNatural™ ingredients are suitable for use in a wide range of emulsions and surfactants.

Product	Description	Physical Properties	Applications / Uses
CustoNatural™ BCLS	based on Holy Basil Extract, Clove Bud Oil, Lemongrass Oil & Sesame Oil	Appearance - Clear liquid Color - Yellowish Brown Odor - Characteristics of Lemongrass Specific Gravity @ 20°C - 0.91 ± 0.05	Typically used at 1-2 % in rinse-off & leave-on applications
CustoNatural™ CCL	based on Curry Leaf Oil, Cinnamon Leaf Oil, & Sesame Oil	Appearance - Clear liquid Color - Pale Yellow Odor - Mild Specific Gravity @ 25°C - 0.92 ± 0.05	Typically used at 0.75-1.2 % in rinse-off & leave-on applications
CustoNatural™ OLG	based on Bitter Orange Oil, Lemongrass Oil & Sesame Oil	Appearance - Clear liquid Color - Yellow Odor - Characteristics of Lemongrass Specific Gravity @20°C - 0.90 ± 0.05	Typically used at 1-2 % in rinse-off & leave-on applications
CustoNatural™ TCLS	based on Turmeric Oil, Clove Bud Oil, Lemongrass Oil & Sesame Oil	Appearance - Clear liquid Color - Yellow Odor - Characteristics of Lemongrass Specific Gravity @ 20°C - 0.90 ± 0.05	Typically used at 1-2 % in rinse-off & leave-on applications

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Stability

CustoNaturals™ are very stable and show no change in composition over long periods of time.

CustoNaturals™ have shown stability through several freeze / thaw cycles and passed accelerated shelf life

Toxicity Information

Mainly due to impending legislation in Europe, which will soon impose various marketing restrictions, CustoNaturals™ have not been tested on animals. Therefore, toxicity testing information regarding the blended material will not be generated. However, each of the CustoNatural™ ingredients had been tested extensively over the years. Overall, the ingredients in CustoNaturals™ have been carefully chosen due to their global acceptance as well as excellent toxicity profiles.

Safety and Regulatory Profile

CustoNaturals™ have an excellent safety and toxicological profile and are safe to use in a wide range of personal care applications.

Contact Information

Sold by:

Custom[®] INGREDIENTS, INC.

PO Box 772

712 Wilson Street

Chester, SC 29706

(803) 377-1213

(888) 749-8657

(803) 581-5802 FAX

sales@custoblend.com

www.custoblend.com

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