

## TECHNICAL DATA

## JARXOTIC CO15

**JARXOTIC™ CO15 - COPAIBA OIL**  
*(COPAIFERA OFFICINALIS (BALSAM COPAIBA) RESIN)*

CAS# 8001-61-04



### SPECIFICATIONS

### LIMITS

Appearance	Viscous liquid
Color	Pale yellow to yellow-brown
Odor	Characteristic
Specific gravity (20°C)	0.850 – 0.950
Acid value (mg KOH/g)	5.0 Max.
Peroxide value (meq/kg)	10.0 Max.

**STORAGE:** Keep in cool (below 25°C) storage in unopened containers away from light and moisture. Avoid prolonged exposure to air.

## DESCRIPTION

**Copaiba oil** or balm is extracted from the Copaiba tree by drilling holes in the trunk of the tree (tapping) similar to extracting maple syrup from the maple tree. It is a transparent, soft liquid whose color varies from yellow to golden brown, with a pleasant balsam smell. The main components of the oil are  $\alpha$ -caryophyllene,  $\alpha$ -humulene, and  $\beta$ -caryophyllene, with reports of other sesquiterpenes also present. This oil is traditionally used in the Amazon for a variety of medicinal purposes including treatment of inflammation and skin disorders. A high content of natural  $\beta$ -caryophyllene, thought to be the highest level available naturally, provides a natural antimicrobial action. With content of approximately 60% essential oil, it is an excellent ingredient for shaving gels, foot creams, and cleansing products. Based upon its substantivity and pleasant odor, it is commonly utilized as a fixative in fragrance applications.

## APPLICATIONS

**Jarxotic CO15** can be used in a multitude of product applications for both the skin and hair, including creams, lotions, soaps, shampoos, bath & massage oils, conditioning and hair masks, and sun care products. It is also recommended for any product in which a natural germicidal delivery is desired. The recommended starting level for this product is 3%.



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