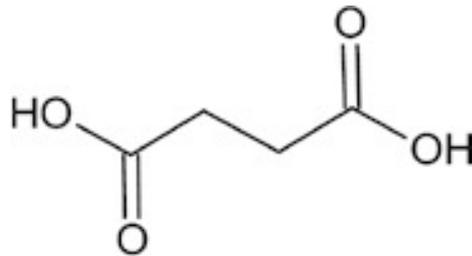


Technical Datasheet

Product Name:	Cetpro® SCA
INCI:	Succinic Acid
CAS No.	110-15-6
Appearance:	White powder
Active content:	99.5%



INTRODUCTION

Succinic acid (SCA) is an aliphatic dicarboxylic acid. It is a naturally occurring compound commonly found in foods, including broccoli, rhubarb, sugar beets and sugar cane. Historically the main source of SCA was amber, the hardened resin of pre-historic trees. Amber distillation is expensive and linked to fossil fuels, making it less attractive to beauty brands. Today plant based SCA is available as a product of bio-fermentation. There are many uses for SCA. It is a common intermediary in the manufacture of cosmetic ingredients. In the human body, it is a metabolite used in the Krebs cycle for energy production. Cosmetically SCA is fast becoming a go-to ingredient and is the lead ingredient in certain big brand blemish treatments and energising skin care products.

BENEFITS

Anti-microbial activity: Studies have shown significant activity against P. Acnes, making it a potential replacement for more difficult to use acne actives or to supplement existing ingredients.

Antioxidant: SCA and its derivatives show antioxidant activity. Evidence suggests a reduction in lipid peroxidation.

Collagen Degradation Inhibition: Studies suggest SCA inhibits the enzymes involved in collagen degradation, making it an interesting ingredient for use in anti-ageing treatments.

Enhanced Mitochondrial Activity: Data indicates SCA has a role increasing energy production in skin cells, making it interesting for formulations requiring an energising or revitalising effect. Increased oxygen consumption can accelerate cell metabolism, helping to improve lipolysis.

Recommended dosage: 2%

STORAGE: Store in a cool, dry place away from direct sunlight.

VERSION NUMBER & DATE: Version number: 1.0 Issue date: July 2022

Unit 10 | Delta Court | Manor Way | Borehamwood | Hertfordshire | WD6 1FJ | United Kingdom
T: +44 (0) 203 761 3000 F: +44 (0) 203 761 3010 E: info@protecingredia.com W: www.protecingredia.com