# PRODUCT SPECIFICATION

## Green Tea (90% Polyphenols) Extract

**CTFA/INCI Name:** Camellia Sinensis Extract  

**Description:** All natural powdered extract rich in polyphenol antioxidants derived from the leaves and tender shoots of the tea plant Camellia Sinensis.

**Attributes:** Powerful Anti-oxidant/DNA Protection/Anti-aging  
Green Tea Polyphenols improve facial skin texture and appearance/reduces wrinkles  
Reduces Sun Damage and Photo-aging caused by UVA and UVB radiation exposure with topical use  
Anti-inflammatory when applied topically  
EGCG promotes hair growth in follicles  
Showed efficacy treating acne  
Reduces skin sebum production  
Antimicrobial properties of tea  
Antiviral activity of Green Tea as hand wash disinfectant

**Appearance:** Light brown powder  
**Odor:** Characteristic  
**Moisture:** Less than 5%

**Total Polyphenols:** Greater than 90% (Folin-Ciocalteu)  
**Epigallocatechin Gallate (EGCG):** 46% +/- 2.5%  
**Caffeine:** Less than 5%

**Microbial Data:**  
Plate Count: Less than 100/gram  
Mold: Less than 50/gram  
Yeast: Less than 50/gram  
Coliform: Less than 10/gram

**Applications:** Skin Care, Sun Care, Cosmetics  
**Suggested Usage:** 0.3% - 0.5%