

Certificate Issued To:
Mountain Rose Herbs
12661 Hoover St
Garden Grove, CA 92841
USA



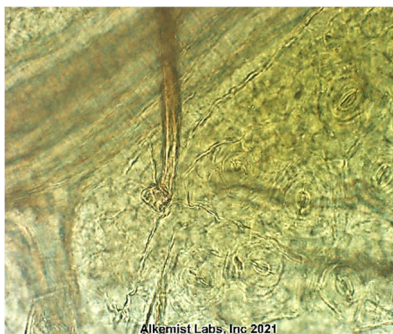
Work performed at:
Alkemist Labs
12661 Hoover Street
Garden Grove, CA 92841
714-754-HERB (4372)
sales@alkemist.com

Certificate of Analysis: Green Sencha Tea (25981)
Microscopy with Digital Photo-Documentation

1



2



3



Company Name: Mountain Rose Herbs
Title: Green Sencha Tea
Plant Part: Leaf
Sample Received: 4/28/2021
Sample Description: Clear Reclosable Plastic Bag
Form of Botanical: cut and sifted
Appearance: (1) Dark green cut and sifted leaf
Lot : 25981
Sample : 21118PJ_1
Latin Name: Camellia sinensis (L.) Kuntze [Theaceae]
Reference Sample : IM30113AHP1 Camellia sinensis (L.) Kuntze [Theaceae] authenticated by macroscopic, microscopic &/or TLC studies according to the reference sources cited below; held at Alkemist Labs, Garden Grove, CA.
Analyst: E. Sudberg & I. Solorzano
Magnification: (2) 400X
Chemical Reagents: (2) acidified chloral hydrate glycerol solution
Sample Findings: (2) fragments of epidermis with anomocytic stomata and long, flexuous, thick-walled, unicellular covering trichome
Magnification: (3) 400X
Chemical Reagents: (3) acidified chloral hydrate glycerol solution
Sample Findings: (3) branched, isolated sclereid with thick walls
Reference Source: British Pharmacopoeia, 2021; Herbal Drugs and Phytopharmaceuticals, Max Wichtl, 3rd ed., 2004; Microscopic Profile of Powdered Drugs Used in Indian Systems of Medicine Volume 2
MIC-SOP-54-04, MIC-SOP-54-05, MIC-SOP-54-06, MIC-SOP-510-07

Comments & Conclusions: This sample has characteristics of Camellia sinensis (L.) Kuntze [Theaceae] leaf based on comparison with an authenticated reference sample and the characteristics described in the references cited above. The characteristic cellular structures identified in this sample are the fragments of epidermis with anomocytic stomata and long, flexuous, thick-walled, unicellular covering trichome seen in micrograph (2) above. In micrograph (3) we see the branched, isolated sclereid with thick walls. **This test sample, Green Sencha Tea (25981), has characteristics of Camellia sinensis (L.) Kuntze [Theaceae] leaf.**

NOTE: The British Pharmacopoeia, 2021 defines Green Tea as young, unfermented leaf of Camellia sinensis (L.) Kuntze rapidly stabilized by short time heating then dried. The presence of soluble excipients and other plant species material was not detected in this test sample.

Analyzed by: Iris Solorzano
Examined, Reviewed & Authorized by: Élan M Sudberg, CEO

Report Date: 5/4/2021



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