

## **CAMAG APPLICATION NOTES: Fingerprint Analysis/Screening of Medicinal Plants**

- F-01 - HPTLC Fingerprint of Valerian (*Valeriana officinalis*)
- F-02 - HPTLC Fingerprint of Wuweizi berries (*Schisandra chinensis*)
- F-03 - HPTLC Fingerprint of Hawthorn leaves & flowers (*Crataegus sp.*)
- F-04 - HPTLC Fingerprint of *Astragalus* and *Hedysarum*
- F-05 - HPTLC Fingerprint of Cramp Bark (*Viburnum opulus*) and Black Haw (*V. prunifolium*)
- F-06A - HPTLC Fingerprint of Garlic (*Allium sativum*) - Alliin
- F-06B - HPTLC Fingerprint of Garlic (*Allium sativum*) - Allicin
- F-07 - HPTLC Analysis of salicylic acid derivatives from Willow bark (*Salix sp.*)
- F-08 - HPTLC Fingerprint of Ashwaganda (*Withania somnifera*)
- F-09 - HPTLC Fingerprint of Reishi mushrooms (*Ganoderma lucidum*)
- F-10A - HPTLC Fingerprint of Chaste tree fruits (*Vitex agnus-castus*) - Hydrophilic flavonoids
- F-10B - HPTLC Fingerprint of Chaste tree fruits (*Vitex agnus-castus*) - Lipophilic ingredients
- F-10C - HPTLC Fingerprint of Chaste tree fruits (*Vitex agnus-castus*) - Iridoids
- F-11 - HPTLC Fingerprint of Bearberry leaf (*Arctostaphylos uva-ursi*)
- F-12.1 - HPTLC Fingerprint of Common Horse tail (*Equisetum arvense*)
- F-13A - HPTLC Fingerprint of Black Cohosh (*Cimicifuga racemosa*) -Triterpene glycosides
- F-13B - HPTLC Fingerprint of Black Cohosh (*Cimicifuga racemosa*) -Plant acids
- F-14 - HPTLC Fingerprint of St. John's Wort (*Hypericum perforatum*)
- F-15 - HPTLC Fingerprint of Goldenseal (*Hydrastis canadensis*)
- F-16A - HPTLC Fingerprint of Ginkgo (*Ginkgo biloba*) - Ginkgolides
- F-16B - HPTLC Fingerprint of Ginkgo (*Ginkgo biloba*) - Flavonoids
- F-16C - HPTLC Fingerprint of Ginkgo (*Ginkgo biloba*) - Ginkolic acid
- F-17 - HPTLC Fingerprint of Bilberry (*Vaccinium myrtillus*)
- F-18 - HPTLC Fingerprint of Dang Gui (*Angelica sinensis*)
- F-19 - HPTLC Fingerprint of Feverfew (*Tanacetum parthenium*)
- F-20 - HPTLC Fingerprint of African prune bark (*Pygeum africanum*)
- F-21 - HPTLC Fingerprint of Han fangji (*Stephania tetrandra*)
- F-22A - HPTLC Fingerprint of Red Clover (*Trifolium pratense*) - Flavonoids
- F-22B - HPTLC Fingerprint of Red Clover (*Trifolium pratense*) - Formononetin
- F-22A - HPTLC Fingerprint of Red Clover (*Trifolium pratense*) - Flavonoids
- F-23 - HPTLC Fingerprints of Chinese plants with respect to aristolochic acids
- F-24A - HPTLC Fingerprint of Echinacea (*E. purpurea*, *E. pallida*, *E. angustifolia*) -  
Phenylpropanoids

- F-24B - HPTLC Fingerprint of Echinacea (*E. purpurea*, *E. pallida*, *E. angustifolia*) - Alkylamides
- F-25 - HPTLC Fingerprint of Kava (*Piper methysticum*)
- F-26A - HPTLC Fingerprint of Saw Palmetto (*Serenoa repens*) - Ph.Eur.4
- F-26B - HPTLC Fingerprint of Saw Palmetto (*Serenoa repens*) - fatty oils
- F-27 - HPTLC Fingerprint of Ribwort Plantain (*Plantago lanceolata*)
- F-28 - HPTLC Fingerprint of Lime flowers (*Tillia sp.*)
- F-29A - HPTLC Fingerprints for the ID of Licorice (*Glycyrrhiza sp.*) - polar compounds
- F-29B - HPTLC Fingerprints for the ID of Licorice (*Glycyrrhiza sp.*) - lipophilic compounds
- F-30 - HPTLC Fingerprint for the Identification of Eleuthero (*Eleutherococcus senticosus*)
- F-31 - HPTLC Fingerprint for the Identification of Asian Ginseng (*Panax ginseng*)
- F-32 - HPTLC Fingerprint for the Identification of American Ginseng (*Panax quinquefolium*)
- F-33 - HPTLC Fingerprint for the Identification of Notoginseng (*Panax notoginseng*)
- F-34 - Biological activity of berberine containing drugs by HPTLC-Bioluminescence screening
- F-35 - HPTLC detection of the azo dye amaranth as an adulterant of Bilberry extract
- F-36 - HPTLC Identification of Triphala (Mixture of *Terminalia chebula*, *Terminalia bellerica*, and *Phyllanthus emblica*)
- F-37 - HPTLC Identification of Fatty Oils
- F-38 - DPPH-HPTLC Screening

### **Quantitative determinations**

- A-84.1 - Determination of tetrandrine in Han fangji (*Stephania tetrandra*) by HPTLC
- A-86.1 - Determination of artemisinin in *Artemisia annua* leaf by HPTLC
- A-87.1 - Determination of aucubin and catalpol in leaves of Ribwort Plantain (*Plantago lanceolata*) by HPTLC
- A-92.1 - Determination of ginkgolides A, B, and C and bilobalide in *Ginkgo biloba* dry extract
- A-93.1 - Determination of the flavonoid rutin in *Ginkgo biloba* dry extract by HPTLC