PURITY

EFFICACY

EXPERIENCE

Standardized Botanical Extracts, Certified Quality Since 1971

St. John's Wort Flower

SUSTAINABILITY

TRACEABILITY

POTENCY

IDENTITY

BETTER EXTRACTS

Milk Thistle Flower

Quality & Traceability
PHYTO
EUROMED
PROOF
Circle of excellence

Decades of Botanical Expertise

Euromed was founded in 1971 by a leading phytopharmaceutical firm, Madaus AG near Barcelona, Spain to provide its parent company and the European pharmaceutical industry with botanical extracts health professionals could rely on in their practices. Since that time, it has been the ingredient manufacturing division of four European pharmaceutical firms and to date is owned by the German pharmaceutical group Dermapharm AG. Euromed is now a worldwide provider of gold standard, premium quality botanical extracts.

The long-standing medical tradition of the use of botanical therapies in Europe has resulted in Euromed's extracts being used in leading clinically tested products. A pharmaceutical firm's large investment in scientific investigation mandates that the quality of the raw materials used in the formulations be produced consistently and supply reproducible results over time. Euromed is GMP certified by the Spanish Medicine Agency as a manufacturer of Active Pharmaceutical Ingredients (APIs). Euromed's principal products are supported by published efficacy studies and include: African plum bark, artichoke leaf, fig fruit, nettle root, milk thistle seed, olive fruit, pomegranate fruit, saw palmetto fruit, St. John's wort herb and valerian root extracts. The effectiveness of these extracts results from the proprietary raw material source, extraction method, extract composition and are not bioequivalent to other similarly named products. This quality investment provides less variation in finished products, reproducibility of clinical studies and greater consumer satisfaction.

Knowledge of Botanical Species and Cultivation

Euromed's agronomists and botanists travel the globe seeking out optimal geographical environments supplying premium "pharmacopeial-grade" botanical raw materials. Seeds from selected cultivars are identified and cultivated following good agricultural and collection practices (GACP). Farmers are trained to follow company cultivation guidelines, including those required for organic cultivation, harvesting and post-harvest drying.

Qualification and periodic certification of raw material suppliers provide comprehensive traceability from the farm to the final extract. Experience and knowledge allow for harvesting of plants at their peak phytochemical concentration and procuring a large supply to satisfy global customer production requirements.

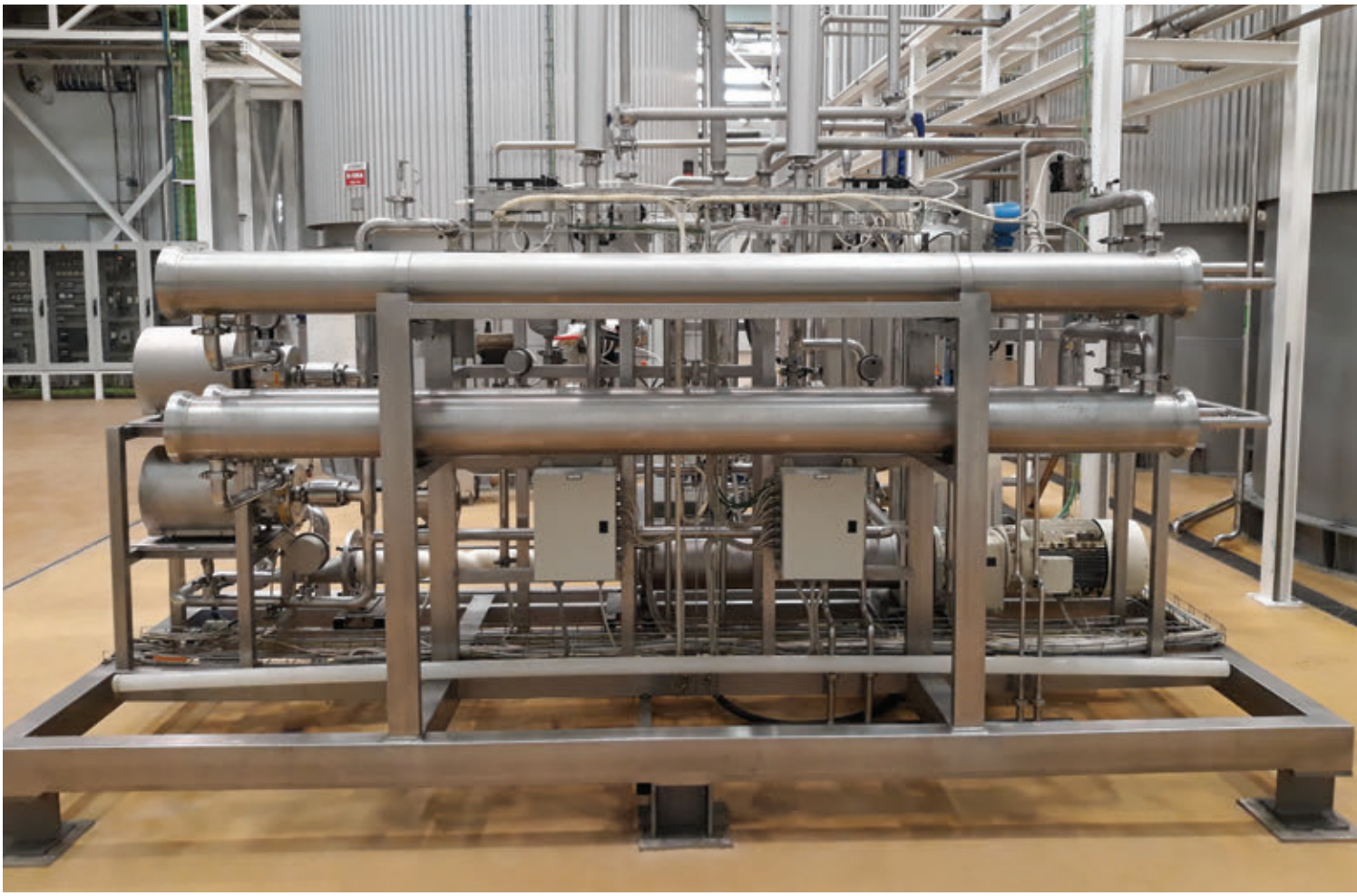
Sustainability practices for wildcrafted plant sources are employed and investments made for supporting conservation activities for species under harvesting pressure such as Pygeum africanum Hook.f. in Africa which is regulated by the Convention on International Trade in Endangered Species (CITES). By qualitatively controlling all steps from seed selection to final extract, we provide full documented traceability, a mandatory criteria of our quality conscious clientele.

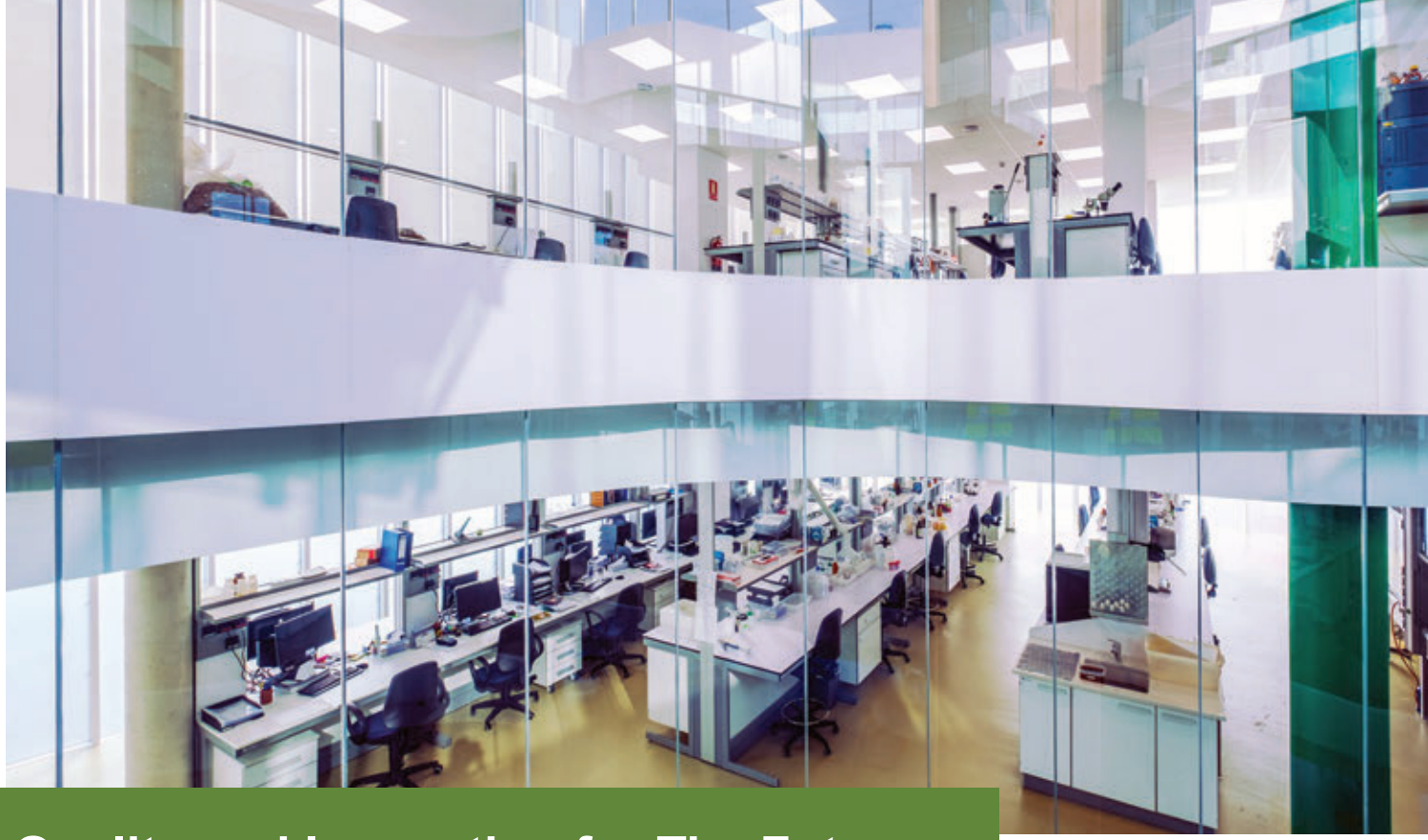
Optimal Extraction Technologies

Euromed follows European and US pharmacopeia botanical monograph guidelines for the establishment of its product specifications. This assures that the proper species and plant parts are utilized and verified by the most accurate laboratory test methods available for identity. Specification sheet species test methods are comprehensive and may include: macroscopic, microscopic, TLC, HPTLC, spectrophotometric, HPLC and GC analyses.

Plants contain phytochemicals with complex molecular structures that have complementary bioactivity. Euromed applies different extraction technologies to concentrate the target molecules while preserving the complete phytochemical profile as it exists in nature. For each botanical extract, the manufacturing equipment, botanical raw material, solvent used and inert substances for standardization are qualified and the in-process laboratory test parameters are validated at many critical check points as the manufacturing process progresses. In-process controls are key components of quality control in the manufacturing of herbal extracts.

This includes industrial scale absorption columns coupled with tangential flow filtration with eco-friendly Pure-Hydro Process®, a proprietary extraction technology that uses purified water as the only solvent, for fruit extracts such as Pomanox® and Mediteanox®, at its Murcia, Spain facility. The Barcelona extraction facility is the recipient of seven industrial certifications, including ISO 14001 for environmental sustainability. This is verification of responsible industrial practices such as recycling botanical waste for compost, animal feed or use in fabric dyes and employment of facility wastewater treatment before being released into the municipal system.





Quality and Innovation for The Future

A commitment to quality today and for the future was demonstrated by the recent construction of a four-story laboratory and innovation center in Barcelona. Two stories of laboratory instrumentation, staffed by experienced technicians, have been dictated by heightened global customer regulatory demands.

Each production batch, from the herb to the final extract, is subjected to a minimum of twenty laboratory tests for identity, potency and potential impurities. These comprehensive tests are part of the PhytoProof® process of quality control and, when recorded on its certificates of analyses, are assurance that the extract batch was manufactured correctly.

Regulatory and judicial actions have motivated widespread industry testing for proper species and discovery of botanical adulteration. Euromed strives to preserve botanical industry integrity by collaborating with international pharmacopoeias and trade organisations working to elevate product quality standards. Display of the PhytoProof® logo on product labels is consumer assurance of stewardship of ingredient potency, purity and identity.

A team of pharmacognosists, chemists and pharmacists at Euromed's innovation center are surveying consumer health concerns and developing efficacious botanical derivatives offering natural solutions for addressing these health issues.

Proprietary Ingredients, from Field to Extract

Certified Quality Since 1971

Euromed's trademarked ingredients, produced using the PhytoProof® process and backed by published scientific studies, ensure high bioavailability and reproducible results.
Unlike many marketing firms that rebrand ingredients without transparency, our extracts communicate quality, providing consumer confidence in their identity, purity, and potency.

Quality & Traceability — PHYTO EUROMED PROOF® — Circle of excellence

mediteanox®
Patented olive fruit extract standardized to hydroxytyrosol.

pomanox®
Patented pomegranate fruit extract standardized to punicalagins (up to 30%).

ABA life®
Patented fig fruit extract standardized to abscisic acid (ABA).

Cynamed®
Artichoke extract standardized to inulin and caffeoylquinic acids.

Wellemon®
Lemon extract standardized to eriocitrin.

Spisar®
Spinach leaf extract.

CuberUp®
Cucumber fruit extract standardized to amino derivatives.

perFix™
Persimmon fruit extract standardized to condensed tannins.

Prosterol®
Saw palmetto fruit extract standardized to 85-95% total fatty acids.

Prunera®
Pygeum bark extract standardized to total sterols.

ETHIS 094™
Milk thistle seed extract standardized to >50% silymarin HPLC, >80% silymarin UV.

Silactive®
Milk thistle seed extract standardized to >50% silymarin HPLC, >80% silymarin UV. Superior bioavailability.

PRODUCT LIST

EUROMED® Nature & Science

Premium Botanical Extracts Since 1971

ARTICHOKE AERIAL PARTS
Cynara scolymus L.
• > 10% caffeoylquinic acids

ARTICHOKE FLOWER BUD Cynamed®
Cynara scolymus L.
• > 18% inulin, > 4% caffeoylquinic acids

ARTICHOKE LEAF
Cynara scolymus L.
• > 3% ; >15% caffeoylquinic acids

ASHWAGANDHA ROOT
Withania somnifera L. Dunal
• > 1.5% withanolides

ASTRAGALUS ROOT
Astragalus membranaceus
• > 0.5% astragalosides

BARBERRY ROOT
Berberis spp.
• > 2% berberine

BEARBERRY LEAF
Arctostaphylos uva-ursi L. Sprengel
• > 20% hydroquinone derivatives as arbutin

BILBERRY FRUIT
Vaccinium myrtillus L.
• > 25% anthocyanidines;
> 36% anthocyanosides

BLACK COHOSH ROOT
Actaea racemosa L.
• > 2.5 % total triterpene glycosides

CINNAMON BARK
Cinnamomun aromaticum Nees
• > 8% cinnamon flavonoid, < 0.3% coumarin

CUCUMBER FRUIT CuberUp®
Cucumis sativus L.
• > 50% amino derivatives

DEVIL'S CLAW ROOT
Harpagophytum spp.
• 1.6 - 2.2% harpagoside
• > 5% glycoiridoids as harpagoside

ECHINACEA ROOT
Echinacea angustifolia
• > 4% echinacoside

ECHINACEA HERB
Echinacea purpurea L. Moench
• > 4% total phenols

ELDER BERRY FRUIT
Sambucus nigra L.
• > 14% anthocyanosides

ESCIN

ESCULIN

FIG FRUIT ABA life®
Ficus carica L.
• standardized to abscisic acid

FUCUS THALLUS
Fucus vesiculosus L.
• 0.05 - 0.15% total iodine

GARLIC BULB
Allium sativum L.
• > 1200 ppm vinyldithiins as allicin

GINKGO LEAF
Ginkgo biloba L.
• > 24% ginkgo flavonglycosides,
> 6% terpene lactones

GINSENG ROOT
Panax ginseng C.A. Meyer
• > 4% ; > 14% ; > 29% ginsenosides

GRAPE SEED
Vitis vinifera L.
• > 85% total polyphenols, max. 25% polyphenol monomers

HAWTHORN LEAF & FLOWER
Crataegus spp.
• > 1%; > 2% vitexin-2-rhamnoside derivates

HOP STROBILE
Humulus lupulus L.
• standardized to xanthohumol and flavonoids as rutin

HORSE CHESTNUT SEED
Aesculus hippocastanum L.
• 16 - 20% escin

ICELAND MOSS THALLUS
Cetraria islandica L. Acharius s.l.

IVY LEAF
Hedera helix L.
• >10% hederacoside C (HPLC)

KAVA-KAVA ROOT
Piper methysticum Forst.
• > 30%; > 50% total kavalactones

LEMON FRUIT Wellemon®
Citrus limon L. Osbeck
• > 10% eriocitrin

LIME FLOWER
Tilia spp.
• > 1.5% ; > 2.5% total flavonoids

MAGNOLIA BARK
Magnolia officinalis Rehder et Wilson
• > 2% honokiol, > 3% magnolol

MATRICARIA FLOWER
Matricaria recutita L.
• > 1% apigenin-7-glucoside

MELISSA LEAF
Melissa officinalis L.
• > 4% ; >7% rosmarinic acid

MILK THISTLE SEED ETHIS 094™ Silactive®
Silybum marianum L. Gaertner
• > 50% silymarin HPLC
• > 80% silymarin UV

NETTLE ROOT
Urtica spp.
• > 0.8% ß-sitosterol, > 30 ppm scopoletin,

OLIVE FRUIT mediteanox®
Olea europaea L.
• > 7% hydroxytyrosol

OLIVE LEAF
Olea europaea L.
• > 18% ; > 20% ; > 40% oleuropein

PASSIONFLOWER AERIAL PARTS
Passiflora incarnata L.
• > 2% ; > 3.5% flavonoids as vitexin UV
• > 1.5% flavonoids as isovitexin HPLC

PERSIMMON FRUIT perFix™
Diospyros kaki L.f.
• condensed tannins min. 5% (HPLC)

PINE BARK
Pinus pinaster Sol. in Ait.
• 65 - 75% procyanidins

POMEGRANATE FRUIT pomanox®
Punica granatum L.
• > 15% ; > 20% ; > 30% punicalagins

PYGEUM BARK Prunera®
Prunus africana Hook f.
• > 2.5%; >13% total sterols

RHODIOLA ROOT
Rhodiola rosea L.
• > 3% rosavins, > 1% salidroside

ROSEMARY LEAF
Rosmarinus officinalis L.
• > 5% - 60% carnosic acid
• > 6% rosmarinic acid

SAW PALMETTO BERRIES Prosterol®
Serenoa repens
• > 45% ; > 85% fatty acids

SCHISANDRA FRUIT
Schisandra chinensis Turcz. Baillon
• > 9% schisandrins

SPINACH LEAF Spisar®
Spinacia oleracea L.
• standardized to 20-hydroxyecdysone

ST. JOHN'S WORT FLOWERING TOPS
Hypericum perforatum L.
• > 0.3% total hypericins

TURMERIC ROOT
Curcuma longa L.
• > 90% total curcuminoids

VALERIAN ROOT
Valeriana officinalis L.
• > 0.3% ; > 0.8% valerenic acids

WILLOW BARK
Salix spp.
• > 15% total salicin

Pure-Hydro® PROCESS

Ultra flow®
Available as UltraFlow® granulated extract with excellent flowability and compactibility.

EARTH HARMONY eUROMED ORGANIC EXTRACTS
ORGANIC or other extract qualities available upon request

Quality & Traceability PHYTO eUROMED PROOF Circle of excellence

www.euromedgroup.com

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