the nature network®

GO ZERO

Europlant Group

PhytoPharm

Inspired by nature. Powered by science.

LIQUID FORMS PORTFOLIO

RELIABLE BUSINESS PARTNER

Phytopharm, member of Europlant Group and the nature network® is a pharmaceutical company specialised in development and manufacturing of the highest quality products of plant origin with proven effectiveness and confirmed safety in majority based on our own APIs and extracts produced from dry and fresh plants.

- 70 years of experience in plant extraction, new product formulation and manufacturing of finished liquids forms
- More than 100 developed and commercialized products
- 170 own developed API's used in production of finished products
- Access to a wide range of a high quality dry and fresh plants

FULLY INTEGRATED PHARMACEUTICAL CDMO

We offer full process control from dry and fresh plant sourcing to new product development and manufacturing.

- Innovative extraction technology
- Modern production lines
- Extensive capabilities and capacity for liquid forms production
- Integrated packaging services

We provide B2B services including:

- Contract manufacturing
- Product development and out-licensing with a complete registration documentation
- Private label

QUALITY SYSTEMS:

EU GMP (Medicinal Products and APIs), Russian GMP and ISO 14001:2015, ISO 22000:2005, IFS, GD

PROFESSIONAL PROJECT MANAGEMENT

Highly-qualified team of experts support your idea to the successful product commercialization:

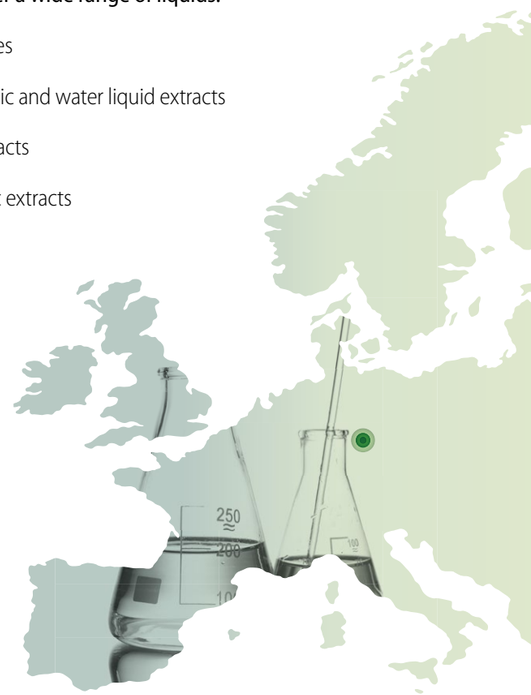
- R&D department
- Microbiological and phytochemical laboratory
- High quality dry and fresh plant sourcing
- Quality management
- Regulatory Affairs support
- Manufacturing & Packaging
- Logistics
- Customer Service

EXPERT IN DEVELOPMENT AND MANUFACTURING OF LIQUID FORMS

We offer medicinal products, food supplements, medical devices in liquid forms with different measurement devices.

We offer a wide range of liquids:

- Tinctures
- Alcoholic and water liquid extracts
- Oil extracts
- Glycolic extracts
- Juices
- Syrups



OUR EXPERTISE, MODERN PRODUCTION PLANT, GMP AND ISO STANDARDS MAKE PHYTOPHARM A RELIABLE PARTNER.

PHYTOPHARM OFFER:

HERBAL MEDICINES:
Unique indications: Cold
Unique composition: Aloe arborescens + Vitamin C

CATEGORY	PRODUCT NAME	API & STRENGTH	THERAPEUTIC INDICATIONS	REGULATORY STATUS	DOSAGE FORM & POSOLOGY
COLD	ALOE ARBORESCENS AND VITAMIN C SYRUP (alcohol free)	Aloe Arborescens fresh leaves extract + Vitamin C 1920 mg + 51 mg / 5 mL	Supportive treatment of upper respiratory tract infections and colds **MoA:** It stimulates the immune system by increasing B and T cell counts and promoting antibody production	THMP *based on the 30 years of use in Poland*	Syrup / 3+ 100 mL 200 mL

Bioaron® SYSTEM

STATUS:
MEDICINAL PRODUCT
THMP
SYRUP 3+

INDICATIONS:
upper respiratory tract infections, to treat cold - related illnesses.

INGREDIENTS:
Active ingredients: Aloes arborescentis recentis *extractum fluidum* (DER 1:4, extraction solvent: water) + *Acidum ascorbicum* (1920 mg + 51 mg / 5 ml).
Excipient with known effect: sucrose, sodium benzoate.
5 ml of syrup contains 3,98 g of sucrose and 6,6 g of sodium benzoate. Additionally concentrated aronia juice.

SHELF LIFE:
24 months.

REGULATORY STATUS:
to be registered as THMP according to national tradition - > 30 years of use in Poland.

STUDIES:
own clinical, observational (post-marketing) and in vitro studies (publications on request).

ADVANTAGES:
unique combination in Europe, based on Aloe arborescens from our own, controlled, unique and the biggest plantation in Europe.

ALOE ARBORESCENS + VIT C syrup

PHYTOPHARM OFFER:

HERBAL MEDICINES:
Indications: Cold, wet cough
Unique composition: Hedera helix leaf / Ivy leaf extract,
sugar and alcohol free

CATEGORY	PRODUCT NAME	API & STRENGTH	THERAPEUTIC INDICATIONS	REGULATORY STATUS	DOSAGE FORM & POSOLOGY
COLD, WET COUGH	IVY SYRUP (sugar & alcohol free)	Ivy leaf extract 33 mg / 4 mL	Expectorant in case of productive (wet) cough	WEU *according to the EMA HMPC monograph*	Syrup / 2+ 100 mL 200 mL

Hedussin

STATUS:
MEDICINAL PRODUCT
WEU
SYRUP 2 +

INDICATIONS:
Hedussin® is a herbal medicinal product used as an expectorant for productive (wet) cough.

INGREDIENTS:
Active ingredient: *Hederae helicis folii extractum siccum* (DER: 4-8:1, extraction solvent: ethanol 30% (m/m)) (33 mg/4 ml). Excipient with known effect: 1 ml of syrup contains up to 469 mg of sorbitol (E420).

SHELF LIFE:
36 months, 3 months after first opening.

REGULATORY STATUS:
to be registered as well-established (WEU) use herbal medicinal product, registered also in Austria, Sweden, Norway, Poland, Spain and Romania, compliant with EMA monograph.

STUDIES:
own PAES and observational (post-marketing) studies (publications on request).

ADVANTAGES:
convenient and easy in dosages, efficient, does not contain flavouring substances, sugar or alcohol.

IVY syrup

Pelafen®

PHYTOPHARM OFFER:

HERBAL MEDICINES:
Indications: Cold
Unique composition: Pelargonium root extract
sugar and alcohol free

CATEGORY	PRODUCT NAME	API & STRENGTH	THERAPEUTIC INDICATIONS	REGULATORY STATUS	DOSAGE FORM & POSOLOGY
COLD	PELARGONIUM SYRUP (sugar & alcohol free)	Pelargonium root extract 20 mg / 2,5 mL	Symptomatic treatment of common cold	THMP *according to the EMA HMPC monograph*	Syrup / 6+ 100 mL

STATUS:
MEDICINAL PRODUCT
THMP
SYRUP 6 +

INDICATIONS:
Symptomatic treatment of common cold, intended to be used in adults, adolescents, and children over the age of 6.

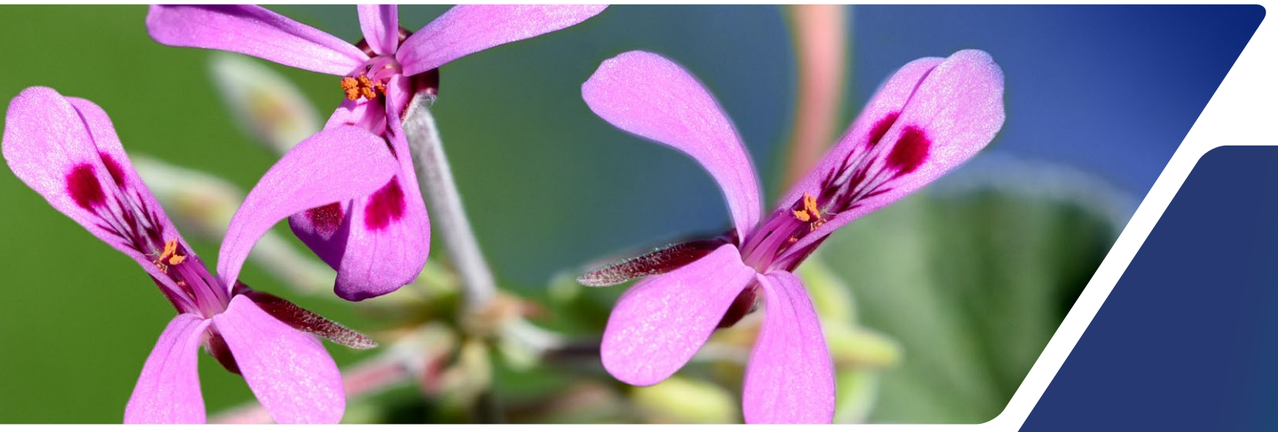
INGREDIENTS:
Active ingredient: *Pelargonii radicis extractum siccum* (DER: 4-25:1, extraction solvent: ethanol: 11% (m/m)), (22 mg / 2,5 mL).
Excipients with known effect: sorbitol. One dose contains 625.1 mg of sorbitol (liquid sorbitol contains 70% of sorbitol) and 893 mg of maltitol.

SHELF LIFE:
36 months, 3 months after first opening.

REGULATORY STATUS:
to be registerred as traditional herbal medicinal product (THMP). Registered also in Austria, Poland and Romania, compliant with EMA monograph.

STUDIES:
clinical and in-vitro for API, published.

ADVANTAGES:
convenient and easy dosages, efficient, does not contain alcohol or sugar.



PELARGONIUM syrup

PlantagoPharm

PHYTOPHARM OFFER:

HERBAL MEDICINES:
Unique indications: Throat irritations and dry cough
Unique composition: Ribworth plantain leaves extract, option - sugar and alcohol free

CATEGORY	PRODUCT NAME	API & STRENGTH	THERAPEUTIC INDICATIONS	REGULATORY STATUS	DOSAGE FORM & POSOLOGY
THROAT IRRITATIONS & DRY COUGH	PLANTAGO LANCEOLATA SYRUP (sugar & alcohol free)	Ribwort plantain leaves dry extract 150 mg / 5mL	As a demulcent for the symptomatic treatment of oral or pharyngeal irritations and associated dry cough	THMP *according to the EMA HMPC monograph*	Syrup / 3+ 100 mL 200 mL
	PLANTAGO LANCEOLATA SYRUP	Ribwort plantain leaves liquid extract 506 mg / 5 mL	As a demulcent for the symptomatic treatment of oral or pharyngeal irritations and associated dry cough	THMP *according to the EMA HMPC monograph*	Syrup / 3+ 120 mL 200 mL

INDICATIONS:
As a demulcent for the symptomatic treatment of oral or pharyngeal irritations and associated dry cough.

INGREDIENTS:
Active ingredient: *Plantaginis lanceolatae folii extractum siccum* (DER 3-5:1), extraction solvent: ethanol 20% (w/w), (30 mg/ml). Excipients with known effect: maltitol liquid. 10 ml of syrup contains up to 6,6 g of maltitol.

SHELF LIFE:
36 months, 3 months after first opening.

REGULATORY STATUS:
to be registered as traditional herbal medicinal product (THMP). Registered in Austria, Poland and Romania, compliant with EMA monograph.

STUDIES:
clinical overview based on available publications.

ADVANTAGES:
convenient and easy dosage, efficient, does not contain sugar or alcohol.

PLANTAGO LANCEOLATA Syrup
(sugar & alcohol free)

Biaron® D

PHYTOPHARM OFFER:

FOOD SUPPLEMENT:
Indications: Immunity (Vitamin D supplementation)
Unique composition: Vitamin D3 + natural herbal extracts

Indications: Immunity (Vitamin D supplementation)
Unique composition: Vitamin D3 in MCT oil

CATEGORY	INGREDIENTS	HEALTH CLAIMS	DOSAGE FORM & POSOLOGY
IMMUNITY VITAMIN D3 SUPPLEMENTATION	200 IU of Vitamin D3 in one drop + Oil extract of fruits: **elderberry, chokeberry and wild rose** 2000 IU of Vitamin D3 in one drop + Oil extract of fruits: **sea buckthorn, elderberry and wild rose** (preservative free) 400 IU of Vitamin D3 in one drop of MCT oil 1000 IU of Vitamin D3 in MCT oil in one application (preservative free)	<u>Vitamin D (EU) No 432/2012 claims</u> contributes to: • the normal function of the immune system, • normal absorption/utilisation of calcium and phosphorus, • normal blood calcium levels, • the maintenance of normal bones, • the maintenance of normal muscle function, • the maintenance of normal teeth. • Vitamin D has a role in the process of cell division.	Oral liquid / Drops 10 mL Oral liquid / Spray 10 mL

Pelafen®

PHYTOPHARM OFFER:

FOOD SUPPLEMENTS:
Indications: Immunity
Unique composition: herbal extracts, alcohol free

CATEGORY	INGREDIENTS	HEALTH CLAIMS	DOSAGE FORM & POSOLOGY
COLD	Pelargonium, Elder fruit, Linden & Marshmallow extracts (or version without Marshmallow extract), Beta-glucans from yeast (*Saccharomyces cerevisiae*), Vitamin C, Zinc and Raspberry fruit juice	**EFSA claims:** In natural way supports natural functioning of respiratory system, including the throat. Supports the respiratory and immune system	Oral liquid 3+
COLD with BLOCKED NOSE	Elder fruits, Elder flowers, Thyme, Vervain & Mullein extracts, Vitamin C, Zinc, Eucalyptus oil and Raspberry fruit juice	**EFSA claims:** Supports physiological airway clearance, supports proper functioning of the mucous membranes of the respiratory system, including the sinuses, nose and throat, has positive influence on the state of the mucous membranes of the respiratory system; impacts on the maintenance of proper immune function	Oral liquid 3+

PHYTOPHARM OFFER:

COSMETICS:
Indications: Skin care, hygiene, daily mouthwash (p.4)
Unique composition: octenidine with herbs, alcohol free

CATEGORY	COMPOSITION	CLAIMS	DOSAGE FORM & POSOLOGY
SKIN AND MUCOSA CARE, RINSING AND PROTECTION SPRAY WITH ANTIBACTERIAL PROPERTIES (ALCOHOL FREE)	Octenidine + **1.** Aloe Extract & Panthenol Or **2.** Aloe Extract & Allantoin Or **3.** Marigold Extract & Menthol Or **4.** Panthenol, Menthol, Peppermint oil, Eucalyptol, Zinc, Riboflavin (Vit. B2), Niacin (Vit. B3), Laureth-9 (polidocanol), Xylitol, Glycerine and other	**p.1-3:** To protect and clean the skin, it regenerates and nurtures the epidermis as well as soothe and alleviate irritations. Possesses antibacterial properties Intended use for: • calming the irritations of the skin and mucous membranes also of intimate areas, protecting the events of an increased risk of poor hygiene, • skin care after minor cosmetic procedures and after- shave / depilation skin care, prone to acne and after insect bites Convenient form for everyday hygienic use: home and outdoors; while working, travelling, playing with children outdoors, during sports activities **p.4:** Used for the care and protection of the oral mucosa and gums: aphthae, painful teething, micro-damage from orthodontic appliances or dental prostheses or other problems with gums and other dental procedures. Antibacterial and alleviating effects on gums and oral mucosa	p.1-3 skin sprays (0m+) 20 ml 30 ml 50 ml 100 ml p.4 Oral spray (0m+)

Phyto Pharm

PHYTOPHARM OFFER:

HYGIENE PRODUCTS:
Indications: Daily mounthwash
Unique composition: natural herbal extracts

CATEGORY	INGREDIENTS	HEALTH CLAIMS	DOSAGE FORM & POSOLOGY
DAILY MOUTHWASH (SUGAR & ALCOHOL FREE)	Mint, Thyme, Eucalyptus & Sage Oil, Eucalyptol, Menthol, Thymol, Xylitol, Sodium Fluoride, Glycerine and other	Daily mouthwash with a multidirectional and comprehensive action strengthens tooth enamel and provides protection against caries, inhibits plaque deposition, antibacterial, reduces the sensitivity of dental necks **Compound and well-established dental compounds for daily hygiene and oral health care**	Oral liquid 6+ Mouthwash
ORAL HYGIENE WITH ANTIBACTERIAL PROPERTIES	Sage extract, Peppermint oil, Menthol, Eucalyptol, Zinc, Riboflavin (Vit. B2), Niacin (Vit. B3), Laureth-9 (polidocanol), **Chlorhexidine**, Xylitol, Glycerine and other	Tendency to irritation, micro-damage from dental prostheses or orthodontic appliances, aphthae, problems with gums and other dental procedures. Antibacterial and alleviating effects on gums and oral mucosa, when wearing dental braces, after tooth extraction **Unique composition of natural compounds and well-established dental compounds for the special needs of mouth and gum**	Oral spray 6+

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WIDE PORTFOLIO OF PACKAGING OPTIONS AND OPPORTUNITIES.

LONGLASTING PARTNERSHIP with world top pharmaceutical packaging producers and suppliers.

Packaging options driven by quality management systems and necessary regulatory support aligned with PHARMACEUTICAL REQUIREMENTS.

STANDARIZATION of packing portfolio dedicated to liquid products with reasonable level of flexibility to meet customers' specific requirements and expectations.

Regular planning and forecasting to facilitate continuity of materials flow and packaging availability.

THANK YOU.

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