EXTVOLAT
INNOVATIVE NATURAL PRODUCT

PINE EXTVOLAT

Innovate natural raw material
that has unique properties

2008 – establishment of a research and production company. Core activities: development and introduction of a plant-based organic extraction technology (trees, plants, herbs, bushes, vegetables and fruits); development, design and manufacture of equipment for industrial-scale production of natural raw materials for beauty, food and pharmacology industries.

2009 – introduction and launch of home equipment and method for the production of natural raw materials; numerous research and investigation practices, experimentations with raw materials in co-operation with scientists of Novosibirsk Akademgorodok, technologists and biologists; registration of raw materials for use in beauty products and oral products.

2010 – registration and acquisition of a patent for equipment; registration of a private label brand – PineAqua®.

2012 – additional clinical trials and researches for our own raw material; launch of PineAqua® beauty product line.

2015 – development and design, improvement of equipment for production of organic raw materials for beauty and food industries.

2016 – technology improvements and research practice as part of R&D for production of finished products.

2017 – manufacture of equipment and introduction of technology to home manufacture.

2018 – registration and acquisition of patents for equipment and method for the production of raw materials; registration of Extvolat trademark; clinical trials and scientific support of produced plant raw material properties.

WHAT IS EXTVOLAT?

EXTVOLAT is a pure plant extract. Extvolat is a monoproduct consisting of natural bioactive microelements only of natural organic origin, which makes it a perfect basis and/or additive to a final product.

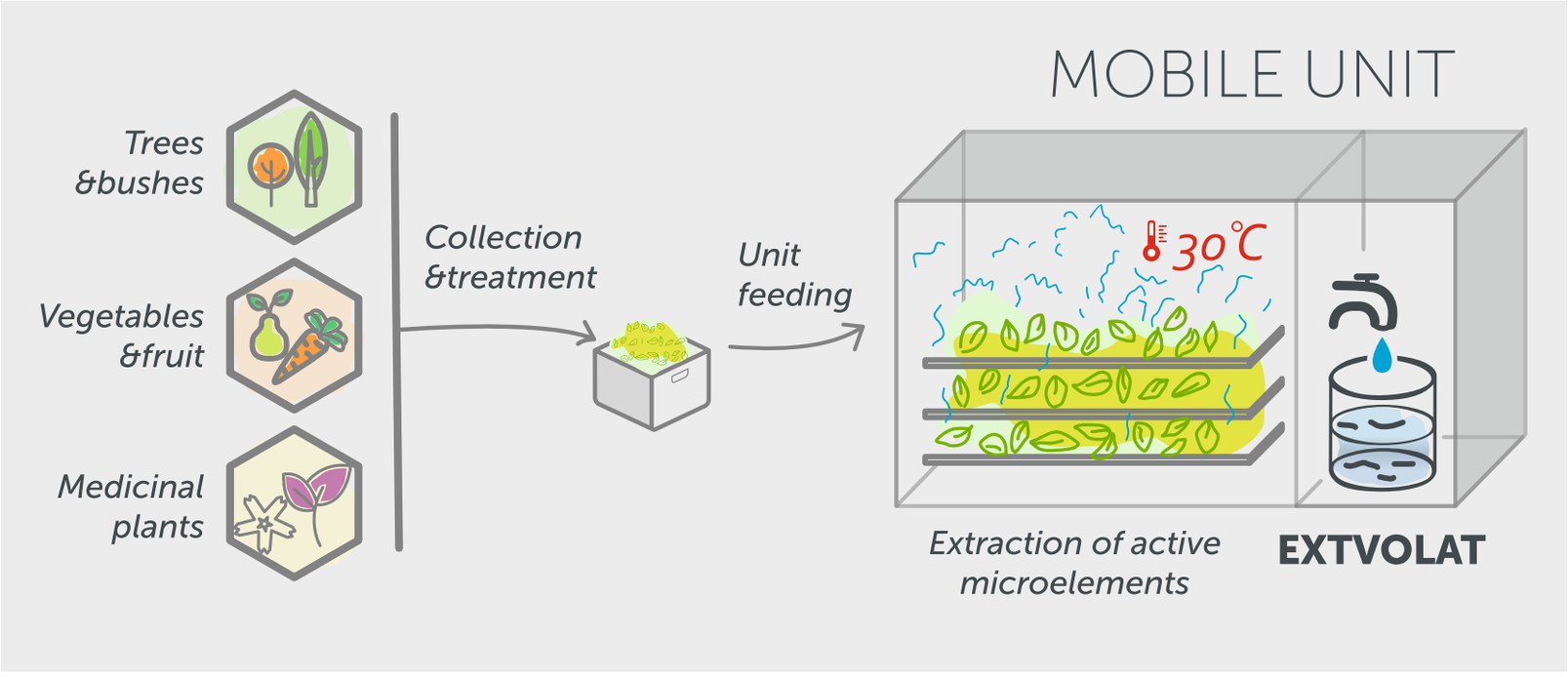
Extvolat is an advanced raw material which may replace water in cosmetics production. It is a new active basis for production of high quality cosmetics.

Extvolat is considerably superior to commercially available essential oils and hydrolates because extraction temperature does not exceed 30 degrees and the process itself does not require any water. Thanks to these two advantages, we preserve the most part of microelements and precious substances of various plants.

ORIGINAL NAME "EXTVOLAT" IS A DERIVATIVE OF TWO WORDS ("EXTRACT" AND "VOLATILE SUBSTANCES").

TECHNOLOGY

The method consists of equidirectional motion of warm air delivered to raw materials at minimal temperatures (approximately + 30 C). Via extraction of medicinal herbs and plants, we obtain high quality extractable liquid materials and bioactive substances of natural origin which become a basis for manufacture of cosmetics.



OUR TECHNOLOGY IS WASTE-FREE. USED RAW MATERIAL IS FURTHER PUT TO GOOD USE.

BENEFITS OF EXTVOLAT

Pine is rich in essential oils, tannin and resins. Pine contains microelements, such as 2,3-dihydro-1,8-cineol, 1,4-cineol, m-cymene, carene, fenchyl alcohol, pinoarveol, camphene hydrate, isoborneol, endoborenol, L-terpene-4-ol, α-terpineol, 4-p-menthanol. Also rich in vitamins.

Thanks to these microelements and nutrients, pine-based cosmetics may be used for acceleration of damaged skin regeneration both for face and body, pine extracts may be used as an antiseptic and anti-aging cream, as a toner with a soft skin lightening effect, in antidandruff and hair growth stimulation shampoos and balms.

Pine Extvolat may be applied not only in cosmetics industry, but also in pharmaceutical industry for toothpaste and mouth wash manufacturing owing to its refreshing and antibacterial properties.

PINE EXTVOLAT
is a raw material for cosmetic products

Pine Extvolat is a self-preservative base. It doesn't require addition of water and preservatives to the formula.

Using Pine Extvolat as a main ingredient in cosmetics, allows to obtain following effects:

antiseptic, regenerating properties, hair growth stimulation, hair treatment, prevention of dandruff formation, whitening effect, anti-aging effect.

These products can be manufactured based on Pine Extvolat:

hair shampoos; balsams, hair conditioners; shower gels; face and/or body tonics; hair masks; body, hand or foot creams; micellar water; tooth-paste; mouth washes; wet face and/or body wipes; liquid soap; gels for intime hygiene; before and after-shave balsams etc

Based on Pine Extvolat we developed and launched our own beauty product line in Russia.

SHAMPOO FOR NORMAL HAIR

SHAMPOO FOR DRY HAIR

SHAMPOO FOR OILY HAIR

SHAMPOO FOR HAIR GROWTH STIMULATION

ANTI-DANDRUFF SHAMPOO

HAIR BALM AND CONDITIONER

ANTI-HAIR LOSS SPRAY-TONER

STIMULATING ANTI- HAIR LOSS MASK

SHOWER GEL WITH NATURAL EXTRACTS (BREEZE)

SHOWER GEL WITH NATURAL MICROELEMENTS (FRESH)

SHOWER GEL WITH NATURAL EXTRACTS (SPRING)

PINE EXTVOLAT

TONER FOR FACE AND BODY

Physical, Chemical and Organoleptic Tests

	Identifiable	Test results	Hygienic standard	Units of measurements	Regulatory documents on the methods
1	Appearance	Corresponds	Transparent liquid		GOST 29188.00
2	Color	No color	Resides in this type of products		
3	Smell	Slight, wooden			
4	pH index	5.82+/-0.02	1.2 - 8.5	pH	GOST 29182
5	Ethyl alcohol volume ratio	0.22	0=90.0	Volume %	GOST 29188.6
6	Mass fraction: Lead Arsenic Mercury	 <0,05 <0.05 <0.01	 max 5.0 max 5.0 max 1.0	mg/kg	 GOST 26932 GOST 26930 GOST 26927

CONCLUSION: According to the test program, preliminary samples meet the requirements of the Sanitary Rules and Regulations (SanPiN) 1.2.681-97.

Microbiological Tests

	Identifiable parameters	Test results	Hygienic standard	Units of measurements	Regulatory documents on the methods
1	Mesophilic aerobic and optionally anaerobic microorganisms	Not detected	Max. 103	CFU/g	GOST 10444.15-94
2	Moul fungi and yeast	Not detected	Max. 103	CFU/g	GOST 10444.12-88
3	Enterobac-teriaceae bacteria	Not detected	None	CFU/g	GOST 29184-91
4	Staphylococcus aureus bacteria	Not detected	None	CFU/g	Recommended practice No. the USSR 1984
5	Pseudomonas aeruginosa bateria	Not detected	None	CFU/g	GOST 10444.2-94

CONCLUSION: According to the test program microbiological parameters of the provided samples meet safety requirements for perfumery and cosmetic products.

Toxicological and Hygienic Tests

Item No	Identifiable parameters	Test results	Hygienic standard	Units of measurements	Regulatory documents on the methods	Changes, reliability %
1	Acute toxicity in case of skin applications	DL_{50}>2500	4 category as per GOST 12.1.007-76	mg/kg	05RC/3140	
2	Acute toxicity in case of swallowing	DL_{50}>2500	4 category as per GOST 12.1.007-76	mg/kg		
3	Skin irritation	0	0	points		
4	Absorption through skin	none	none			
5	Sensitization	none	none		Recommended Practices 1.1.578-96	

CONCLUSION: The products fall into the IV hazard category (marginally hazardous substances) according to GOST 12.1.007-76. No sensitizing effect was found. Safety parameters of the provided products meet the requirements of SanPiN 1.2.681-97 provided that recommendations on product application are observed.

Skin irritation and sensitization

Parameter	Indicator values		Regulatory documents on test methods
	Initial state, standard	Test result	
1. Drip test: slight hyperemia swelling singular vesicular eruptions	normal skin	none none none	Guidance manual on testing perfumery and cosmetic products
2. Compression test: slight hyperemia swelling singular vesicular eruptons	normal skin	none none none	
Sensitizing effects		none	

CONCLUSION: Clinical trials were carried out on volunteers (aged from 18 to 45 years) by application to the inside part of forearm. Clinical inspection results did not reveal any pathological skin reaction to the tested cosmetic products. All skin tests were negative. Functional skin parameters were within normal physiological range. Safety parameters of the provided products meet the requirements of regulatory documents.

PRODUCT DATA SHEETS

INCI NAME
Pinus Sylvestris Trunk Extract

COSMOS attestation
Attested by ECOCERT

TYPICAL PROPERTIES
Appearance: Liquid
Color: Transparent
Odor: Light scent of pine
Category: Multifunctional natural active base

PRODUCT HIGHLIGHTS AND APPLICATIONS:
- Active basis for the production of cosmetics
- Excellent skin whitener
- Has anti-aging effect
- Excellent Regeneration Properties
- Activates hair growth

PACKAGING

- Plastic canister 25 kg
- Barrel 225 kg
- IBC 1000 kg

STORAGE CONDITIONS

Sealed containers shall be stored at a temperature of 10°–25° C (50°–77° F).

EXPIRATION DATE

Pine Aqua® will guarantee the quality of finished product for 3 years from the date of manufacture, if the seal is unbroken and the material has been stored according to manufacturer's suggestions.

ORIGIN AND SOURCING:

Growth and production in Russia

We are looking for business partners in the markets of Europe, North America, Asia and the Middle East countries.

If you have any questions regarding raw material or cosmetics purchase, feel free to contact us:

TELEPHONE:
+7 499 380 8152

EMAIL:
nm@extvolat.com

http://pine.extvolat.com/