



# BOTALYS

IMPOSSIBLE SOURCING MADE POSSIBLE

VIVATECH – 14-17 JUNE 2023



# BOTANICALS

A CHALLENGING SUPPLY

# BOTANICALS

are a Sourcing  
Nightmare

FOR METICULOUS  
BRANDS



# THE STORY OF

## AN IMPOSSIBLE SOURCING

# BOTANICALS

## Victims of their success

Growing market  
of natural health

high demand for  
BOTANICALS

Intensive  
Agriculture

due to insufficient  
arable land

Unsustainable  
Supply

soil pollution leading  
to deforestation

Low Product  
Quality

& increased risk of  
adulteration



# IMPOSSIBLE SOURCING

## IDEAL BOTANICAL CHECK-LIST

### QUALITY

Complete bioactive profile —————

High phytoactive concentration - - - - -

Full Standardization —————

True Potency - - - - -

100% Natural —————

### PURITY

0% Contaminants - - - - -

No Adulteration —————

### SUSTAINABILITY

Resilient Supply Chain - - - - -

Sustainable Sourcing —————

Biodiversity Preservation - - - - -



# OUR AMBITION

BOTALYS' MISSION

Impossible  
Sourcing

MADE POSSIBLE

through

BIOMIMETIC  
INDOOR  
FARMING



# OUR TECHNOLOGY

## BIOMIMETIC INDOOR FARMING

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The process of growing plants in a **CONTROLLED ENVIRONMENT** that reproduces

[ their **IDEAL WILD**  
**CONDITIONS** ]



# OUR TECHNOLOGY

## BIOMIMETIC INDOOR FARMING

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- CULTIVAR SELECTION
- LUMINOSITY
- HUMIDITY
- TEMPERATURE
- NUTRIENTS

### FULL CONTROL OF VARIABILITY FACTORS

- GENETIC
- ENVIRONMENTAL





The case of  
**KOREAN**  
**GINSENG**





# IMPOSSIBLE SOURCING MADE POSSIBLE

STANDARD  
GINSENG  
ROOTS

PREMIUM  
GINSENG  
ROOTS

PREMIUM  
GINSENG  
EXTRACTS



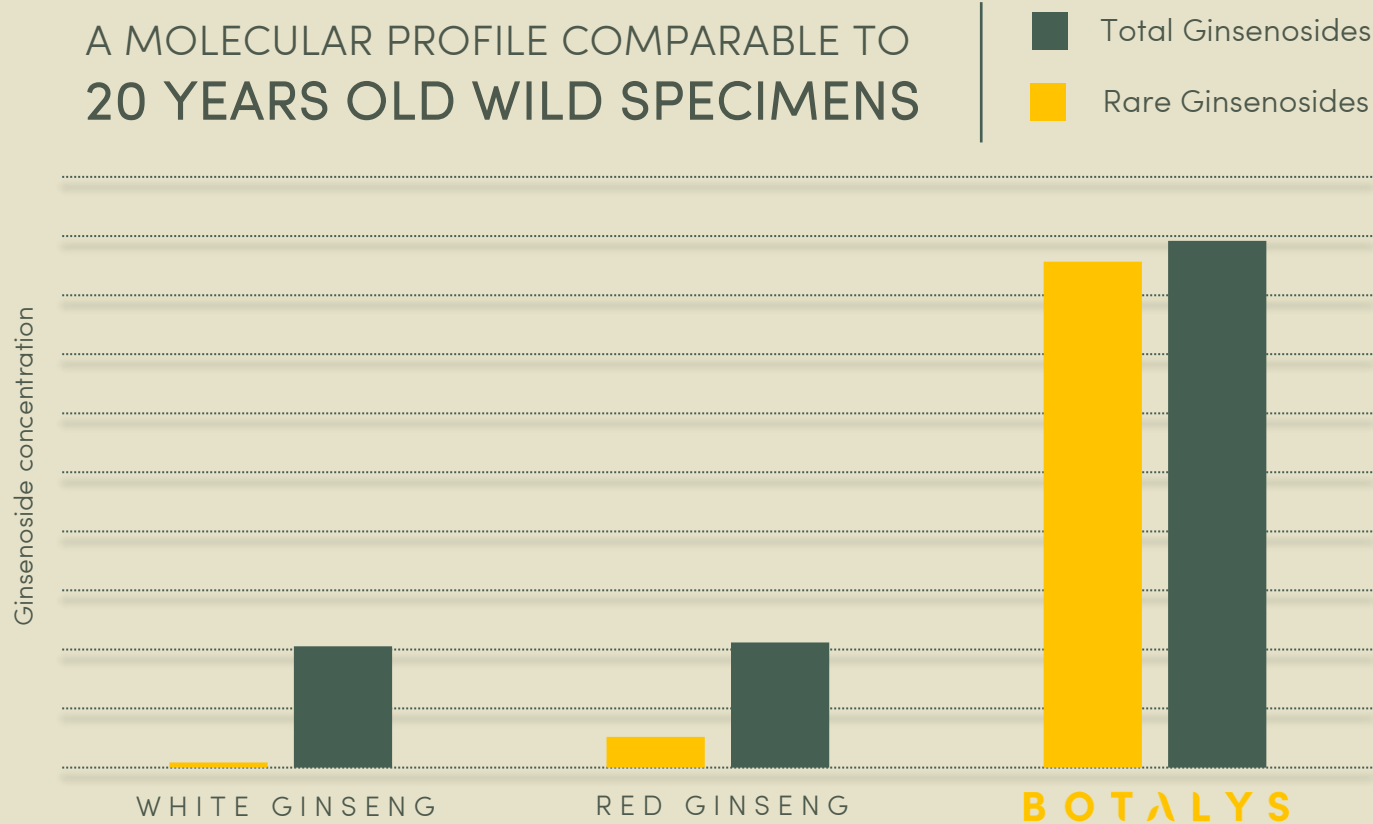
	STANDARD GINSENG ROOTS	PREMIUM GINSENG ROOTS	PREMIUM GINSENG EXTRACTS	GINSENG ROOTS	
QUALITY	Complete bioactive profile	■	■	□	■
	High Phytoactive Concentration	□	■	■	■
	Full Standardization	□	□	▣	■
	True Potency	□	■	■	■
PURITY	100% Natural	▣	■	■	■
	0% Contaminants	□	□	▣	■
	No Adulteration	□	■	■	■
SUSTAINABILITY	Resilient Supply Chain	▣	▣	▣	■
	Sustainable Sourcing	□	▣	▣	■
	Biodiversity Preservation	□	□	□	■



# KOREAN GINSENG

## THE IMPERIAL PANACEA

A MOLECULAR PROFILE COMPARABLE TO  
20 YEARS OLD WILD SPECIMENS



# NEURO-ACTIVE

## BOTALYS RED GINSENG

6 PRECLINICAL STUDIES

1 PEER-REVIEWED CLINICAL TRIAL

1 USAGE TEST

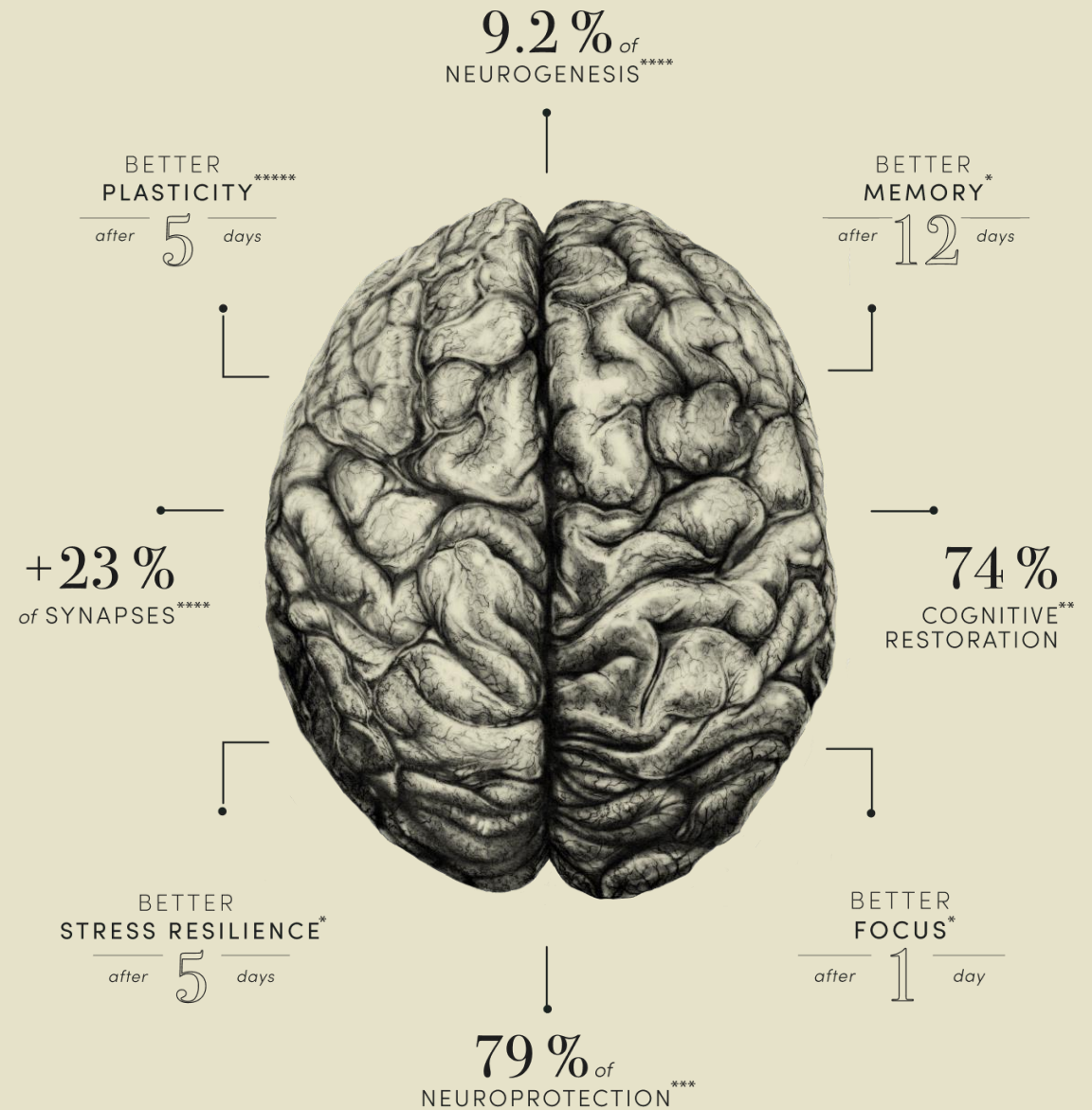
\*Based on a Proprietary Clinical Trial (50 participants 400 mg/d 2 weeks)

\*\*Based on a Proprietary in vivo Study (old vs young mice 50 mg/kg/d Y-Maze test)

\*\*\*Based on a Proprietary in vitro Study (neuron cells excitotoxicity model 100 µg/mL)

\*\*\*\*Based on a Proprietary in vitro Study (rat primary hippocampal neurons 1 µg/mL)

\*\*\*\*\* Based on a Proprietary ex vivo Study (mice hippocampus LTP model 10 mg/kg)



# NEURO-ACTIVE

## BOTALYS RED GINSENG

6 PRECLINICAL STUDIES

1 PEER-REVIEWED CLINICAL TRIAL

1 USAGE TEST

83%

Felt  
MORE DYNAMIC

80%

Felt in a  
BETTER MOOD

Experienced  
BETTER MEMORY

71%

Experienced  
BETTER SLEEP

70%

Proprietary Clinical Trial (160 participants - 400 mg/day during 10 days)





# FJORD RHODIOLA

## THE REMEDY OF THE VIKINGS

- PRAISED WILD QUALITY
- SOURCING FROM NORTHERN EUROPE HAS BECOME EXTREMELY RARE
- MOST WILD HARVESTED RHODIOLA COMES FROM CHINA
- CITES ANNEX 2 – EFFECTIVE FEBRUARY 2023

**WILD PROFILE OF NORTHERN RHODIOLA UNDER DEVELOPMENT**



# BOTALYS

## OUR COMPANY

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25

BOTANICAL EXPLORERS

> 2000

M<sup>2</sup> VERTICAL FARM  
LOCATED IN BELGIUM

5 → 25

TONS OF ACTIVE INGREDIENTS  
PRODUCED / YEAR



# BOTALYS

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## THANK YOU

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