Ecuadorian Rainforest, LLC
25 Main Street, Building 6 Belleville, NJ 07109 www.intotherainforest.com
Tel: 973-759-2002 Fax: 973-759-3002 info@intotherainforest.com

CERTIFICATE OF ANALYSIS

IDENTIFICATION

Product Name:	Valerian Extract Powder 4:1
Botanical Name:	Valeriana Officinalis
Batch:	VLPE/16-10-327-B
Product Code:	VLPE2000
Part Used:	Root
Country of Origin:	Poland
Manuf. Date:	02-2016
Retest. Date:	02-2019

ANALYSIS	SPECIFICATION	RESULT	TEST
Description	Powder	Powder	Visual
Identification	Positive	Conform	FT-NIR
Color	Brown	Brown	Visual
Odor	Pungent, unpleasant	Pungent	Organoleptic
Taste	Characteristic	Characteristic	Organoleptic
Moisture	≤10.0%	7.10%	2g/105 C/2hrs
Heavy Metals	≤10.0ppm	Passes	ICP/MS
(Pb)	≤3.0pm	1.20ppm	
(As)	≤2.0ppm	0.45ppm	
(Cd)	≤1.0ppm	0.20ppm	
(Hg)	≤1.0ppm	0.100ppm	
Carriers	Maltodextrin		
Method of Extraction	Water		
Mesh Size	Through 60 mesh 90%	USS Sieving	

Extract Strength

Extract Ratio	4:1	(Parts of Botanical: Parts of native extract)

Microbiological Counts

Total Plate Count	≤40,000cfu/g	28,000cfu/g	FDA BAM 8th
Yeast	≤1,000cfu/g	100cfu/g	FDA BAM 8th
Mold	≤1,000cfu/g	100cfu/g	FDA BAM 8th
Coliforms	≤100cfu/g	100cfu/g	FDA BAM 8th
E. coli	Absent/10g	Absent/10g	FDA BAM 8th
Salmonella	Negative/25g	Absent/25g	AOAC

Storage:

Store in a tightly, sealed container in a cool and dry area. Keep away from strong light and heat.
This product is non GMO. Product is not treated with ETO, non irradiated
Above data is based on the analysis provided by the manufacturer and is offered as a service to our customer and is not intended to relieve a customer from its responsibility to determine the suitability of this information or of the material described. Ecuadorian Rainforest, suggest that you evaluate the product on a laboratory scale prior to use in a finished product

QC:_____ Date: 10-26-2017

Ingredients From South America and Beyond

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SAFETY DATA SHEET

SECTION 1- NAME AND HAZARD SUMMARY

Material Name:	Valerian Extract Powder 4:1
Health Hazards:	None
Distributors Name:	Ecuadorian Rainforest, 25 Main Street, Building #6, Belleville, NJ 07109
Emergency Information:	Phone: 973-759-2002 - Fax: 973-759-3002

SECTION 2- HAZARDOUS INGREDIENTS

Ingredients are Non-Hazardous. This information is furnished as customer service only.

SECTION 3 - COMPOSITION / INFORMATION

CAS #	Not available
FDA #	Not available
FEMA#	Not available
Item #	Valeriana Officinalis
	Maltodextrin

SECTION 4– FIRST AID MEASURES

In case of accident consult physician.

Inhalation:	Breath in fresh air
Eye contact:	Flush thoroughly with water
Skin contact:	Wash with soap and water
Ingestion:	N/A

SECTION 5- FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A
Flammable Limits (STP):	No Data
Special Fire-fighting Procedure:	Self Contained breathing apparatus and protective gear
Unusual Fire and Explosion Hazards:	Flammable as dust when finely divided and suspended in air
Extinguishing Media:	Carbon Dioxide, Water, Dry Chem

SECTION 6- SPILL OR LEAK PROCEDURE

Steps to take in case material is released or spilled:
Mop up or sweep up the absorbent. Wash spill area with hot water and detergent and flush to a sewer serviced by wastewater treatment facility.
Waste Disposal Method:
Discarded product is not a hazardous waste under RCRA, 40CFR 261

SECTION 7- HANDLING AND STORAGE

Store in full sealed containers in cool dry place away form sources and ignition heat or direct sunlight.
Follow good industrial and hygienics practises

SECTION 8- SPECIAL PROTECTION INFORMATION

Protective Equipment:

Respiratory Protection:	OSHA/approved dust / mist respirator
Eye Protection:	Safety glasses recommended
Skin Protection:	As necessary to protect from skin irritation
Hygienic Practises	Gloves and protective outer clothing as normal

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SECTION 9 - PHYSICAL DATA

Boiling Point	N/A
Appearance:	Brown / Powder
Vapor Pressure	N/A
% Volatiles	N/A
Class: 1	can be safely consumed when used appropriately

SECTION 10- REACTIVITY DATA

Stability:	Stable Hazardous Polymerization will not occur
Conditions to avoid:	This material is stable from a safety point of view
Incompatibility:	Oxidizers
Hazardous Polymerization:	None

SECTION 11- TOXICOLOGICAL INFORMATION

Oral toxicity :	Not Toxic
Dermal Toxicity :	Not Toxic
Inhalation Toxicology :	Not Toxic
LD50 or LC50:	Not available

SECTION 12- ECOLOGICAL INFORMATION

Toxicity:	Not available
Persistence and Degradable	Not available
Mobility in Soil	Not available

SECTION 13- DISPOSAL CONSIDERATION

Waste Treatment Method:	Dispose of in accordance with local regulation. Avoid disposing into drainage system and into environment. Empty containers should be taken to an approved waste handling site for recycling or disposal

SECTION 14- TRANSPORT INFORMATION

Transport Hazard classes	Not classified
Packing Group	Not classified
Environmental Hazards:	Not environmentally hazardous for transport

SECTION 15 - REGULATION INFORMATION

The information herein is given in good faith, without warranty or acceptance of any liability on the part of Ecuadorian Rainforest, LLC. It is the responsibility of the user to evaluate the relevance and completeness of this information for their application and to determine the safety, suitability and status under applicable regulations relating to this product. No additional safety, health and environmental regulation/legislation specific for the substance or mixture

SECTION 16- OTHER INFORMATION

Key to revision:	Product Identifier
Key to abbreviations	Not applicable

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ALLERGEN STATEMENT

Product Name: Valerian Extract Powder 4:1

Allergen	Yes	No	Allergen	Yes	No	Allergen	Yes	No
Alcohol		X	Egg Products		X	Sunflower Oil		X
Animal Source Products		X	Fish / Shellfish/ Seaweed		X	Tree Nuts/ Oil		X
Artificial Color		X	Gluten		X	Rice		X
Artificial Flavor		X	Celery		X	Soy Products		X
Artificial Sweetener		X	Peanut or Peanut Oil		X	Starch (Source)		X
Canola		X	MSG		X	Tartrazine		X
Corn Products	X		Potato		X	Tomato		X
Excipients/ Carriers **Maltodextrin	X		Safflower Oil		X	Wheat Products		X
Dairy Products		X	Sesame Oil		X	Yeast		X
Sugar (Source)		X	Sodium (% unit dose)		X	Sulphites		X
Wheat Products		X	Barley Products		x	Sesame Seeds ***		X

***The material is produced in a facility where nuts, almonds and other nuts are produced**

GMO (Genetically Modified Organism) Status:

This product **DOES NOT** contain any ingredients that are genetically modified.