

PRODUCT SPECIFICATION

PiperiSOL-LS™

Self-Emulsifying Dietary Delivery System for Piperine

	DEN		

PiperiSOL-LS™ **Product Name Botanical Names** Piper nigrum **Product Description** Piperine SEDDS Sri Lanka Country of Origin **Product Code** VNPIPLS10 July 2022

PHYSICAL & ORGANOLEPTIC NUTRITION FACTS - Serving Size 0.25 gm

<u>ANALYTE</u>	<u>SPECIFICATION</u>	AMOUNT PER SERV	ING	% DV
Appearance	Free-Flowing Emulsion	Calories	0 kcal	0%
Color	White to Beige	Total Fat & Trans Fat	0 g	0%
Aroma & Taste	Neutral	Cholesterol	0 mg	0%
		Sodium	0 mg	0%
		Total Carbohydrate	0 g	0%
		Protein	0 a	0 %

ACTIVE ANALYSIS BY HPLC

Piperine NLT 10%

TOXICOLOGICAL			MICROBIOLOGICAL		
ANALYTE Lead Arsenic	SPECIFICATION <3 ppm <3 ppm	METHOD ICP/MS ICP/MS	ANALYTE TAPC* Yeast & Mold	SPECIFICATION <10,000 CFU/g <500 CFU/g	USP <61> USP <61>
Mercury Cadmium	<1 ppm <3 ppm	ICP/MS ICP/MS	E. coli Salmonella	<10 CFU/g Negative/10 g	AOAC 991.14 USP <62>
Peroxides Pesticides†	<10 meq/Kg <lod< td=""><td>USP <401> GC-FPD</td><td>Aflatoxins</td><td><0.4 ppb</td><td>IAC-LC-FLD</td></lod<>	USP <401> GC-FPD	Aflatoxins	<0.4 ppb	IAC-LC-FLD
Glyphosate <0.01 ppm LC/MS/MS *Glyphosate/AMPA/Glufosinate †Pyrethroids, Organochlorine & Organophosphorous Pesticides			* TAPC = Total Aerobic Plate Count (bacteria)		

PRODUCT FACTS

Cell Culture

Markers **Piperine** CA Prop 65 Compliant Plant Part Vegan Yes **Excipients** nonGMO: Sunflower Seed Lecithin, Coconut & Palm Fruit Oils, **Extraction Method** Ethanol Cane & Beet Sugar **GMO** No **Organic Solvents** Food grade ethanol **FALCPA Allergens** None **Agricultural Practices** Conventional **BSE/TSE** No/No **WHO GACP** Compliant Irradiation/ETO No/No

Not derived from or containing cell culture derived products Storage & Expiration 2 years from DOM in Original Closed Container in Cool, Dry, Dark Place at 59°F - 85°

IMPORTANT - PLEASE READ CAREFULLY

Kosher/Halal

Yes/Suitable

GOODS OFFERED BY VERDANT NATURE ("VN") ARE FOR RESEARCH OR FOR MANUFACTURING ONLY AND ARE NOT INTENDED FOR USE IN VIOLATION OF ANY FEDERAL, STATE OR LOCAL LAWS AND REGULATIONS. COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS REMAINS THE RESPONSIBILITY OF THE USER. VN ASSUMES NO RESPONSIBILITY AND EXPRESSLY DISCLAIMS ANY LIABILITY THAT MAY ARISE FROM THE USE, MISUSE OR APPLICATION OF THE PRODUCT DESCRIBED HEREIN. STATEMENTS MADE HEREIN ARE BASED ON OUR RESEARCH, THE RESEARCH OF OTHERS AND ARE BELIEVED TO BE TRUE AND ACCURATE, HOWEVER NO GUARANTEE OF THEIR ACCURACY IS MADE. BEYOND THE DESCRIPTION OF THE PRODUCT, ALL STATEMENTS AND SUGGESTIONS MADE HEREIN ARE WITHOUT WARRANTY, EXPRESS OR IMPLIED INCLUDING WITHOUT LIMITATION, THE ACCURACY OF THE INFORMATION, THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, WARRANTY OF MERCHANTABILITY AND FITNESS FOR USE OF THE PRODUCT FOR A PARTICULAR PURPOSE; AND UPON CONDITION THAT USERS SHALL MAKE THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF SUCH PRODUCT FOR THEIR PARTICULAR PURPOSES. VI'S SOLE OBLIGATION OR LIABILITY FOR ALL CLAIMS, AND THE EXCLUSIVE REMIEDY OF BUYER, OR ANY OTHER PARTY, ARE EXPRESSLY LIMITED TO EITHER REPLACEMENT OF PRODUCT FOUND BY THE PARTIES, OR AN AGREED UPON THIRD PARTY, TO BE NONCONFORMING TO THE SPECIFICATIONS; OR REPAYMENT OF THAT PORTION OF THE PURCHASE PRICE PAID FOR PRODUCT SUBJECT TO ANY CLAIM. RECOVERY FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT, CONTINGENT OR ANY OTHER TYPE OF DAMAGES, LOSSES OR EXPENSES ARE SPECIFICALLY EXCLUDED, WHETHER BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE OR BREACH OF WARRANTY), STRICT LIABILITY, OR ANY OTHER THEORY OF FORM OF ACTION ARISING OUT OF OR IN CONNECTION WITH THE SALE, DELIVERY, USE, INABILITY TO USE, OR PERFORMANCE OF THE PRODUCT. STATEMENTS CONCERNING THE POSSIBLE USE OF THE PRODUCT ARE NOT INTENDED AS RECOMMENDATIONS TO USE THE PRODUCT IN INFRINGEMENT OF ANY PATENTS OR RIGHTS OF OTHERS. THE USER ASSUMES ALL RISK AND LIABILITY FOR HANDLING, USE AND/OR RESULTS OBTAINED, WHETHER USED SINGLY OR IN COMBINATION WITH OTHER PRODUCTS OR IN THE OPERATION OF ANY PROCESS, AND WHETHER OR NOT IN ACCORDANCE WITH ANY PRIOR OR CONTEMPORANEOUS STATEMENTS OF VN. FAILURE TO GIVE NOTICE OF A CLAIM WITHIN TEN (10) DAYS FROM THE DATE OF DELIVERY OF THE PRODUCT SHALL CONSTITUTE A WAIVER OF ALL CLAIMS. LAWS, COURTS AND DECISIONS OF THE STATE OF WYOMING SHALL GOVERN ALL DEALINGS AND DISPUTES BETWEEN THE PARTIES, WITHOUT REGARD TO APPLICABLE CONFLICT OF LAWS RULES THEREIN OR OF ANY OTHER JURISDICTION.