

## CERTIFICATE OF ANALYSIS

**Product:** Bladderwrack Powder  
**Botanical Name/INCI:** Fucus Vesiculosus  
**Lot No:** BPCBWP062023  
**Best Before:** JUNE, 2026  
**Origin:** France  
**CAS No.:** 84696-13-9

<u>ANALYSIS</u>	<u>SPECIFICATION</u>	<u>RESULT</u>	<u>TEST</u>
Appearance	Powder	Powder	Visual
Identification	Positive	Conform	HPTLC*
Color	Olive to Green	Green	Visual
Flavor	Marine, salty	Marine	Organoleptic
Aroma	Briny, pungent	Pungent	Organoleptic
Moisture	NMT 12 %	8.4%	AOAC
Inorganic Arsenic	≤5.0ppm	2.61ppm	EPA 1632
Cadmium	≤2.0ppm	0.692ppm	ICP- MS
Lead	≤2.0ppm	0.811ppm	
Mercury	≤1.0ppm	0.021ppm	
Mesh Size	Through 60 mesh 90%	90%	USS Sieve

### MICROBIOLOGICAL

Total Plate Count	≤100,000cfu/g	<1,000cfu/g	FDA BAM Ch.3
Yeast	≤1,000cfu/g	110cfu/g	CMMEF ed. 5 Ch 21
Mold	≤1,000cfu/g	100cfu/g	CMMEF ed. 5 Ch 21
Coliforms	≤100cfu/g	<100cfu/g	FDA BAM Ch. 4
E. coli	Absent/10g	Absent/10g	USP 2022
Salmonella	Negative/25g	Negative/25g	AOAC 2013.01

This product is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing contained herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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