

Product Name	Polyphenol Extract	Extract Ratio	4.5:1
Product Code	SBIP00-1	Country of Origin	Canada
Source	Ascophyllum nodosum (whole)	Shelf Life	1 year
Solvent	1% Ethanol	Storage Conditions	Store in a cool dry place (<25°C; <60 % humidity)
		Packaging	1kg mylar bags

Microbiological Properties

	METHOD	LIMIT
Total Aerobic Plate Count	USP <61>	<1000 (cfu/g)
Yeasts and Molds	USP <61>	<100 (cfu/g)
E.coli	USP <62>	Absent/g
Pseudomonas aeruginosa	USP <62>	Absent/g
Staphylococcus aureus	USP <62>	Absent/g
Candida albicans	USP <62>	Absent/g
Salmonella spp.	USP <62>	Absent/g



Chemical Properties

	METHOD	LIMIT
Polyphenol Assay	Folin Ciocalteu	25% ± 5%
Iodine	ICP-MS	<800mcgt/ 100g
Lead	USP <232>	<2ppm
Arsenic	USP <232>	<0.5ppm
Cadmium	USP <232>	<0.1ppm
Mercury	USP <232>	<0.1ppm
Antimony	USP <232>	<0.5ppm
Nickel	USP <232>	<10ppm

Physical

	METHOD	LIMIT
Appearance	Visual	Light Brown
Particle Mesh Size	Sieve	60 mesh - 250 µm
Moisture Content	Loss on Drying	<5%
Ash	Dry Ashing	<5%
pH	pH Meter	3-6
Solubility	Visual	Soluble in Water

APPROVAL

Quality Manager Signature

Date

REVISION NUMBER

EFFECTIVE DATE

DESCRIPTION

REVISION HISTORY

1

July 15, 2021

Initial document release