

SPECIFICATION SHEET

Kelp Extract 0.5% Iodine Titration

GENERAL INFORMATION

Botanical Species	Laminaria japonica	Part Used	Blade
Country of Origin	China	Carrier Used	Maltodextrin
Solvent Used	Water & Ethanol	Kosher Halal	Yes Yes

ITEM	SPECIFICATION	METHOD
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PHYSICAL & CHEMICAL

Identification	Corresponds to Reference Standard	HPTLC USP<203>
Appearance	Greenish brown to light yellow brown fine powder	Organoleptic
Iodine	NLT (%) 0.5	Titrimetry USP<541>
Particle Size	NLT 95% through 80 mesh	USP<786>
Loss on Drying	NMT (%) 10.0	USP<731>
Bulk Density	Between (g/100ml) 30-70	USP<616>Method I

CONTAMINANTS

Lead (Pb)	NMT (ppm) 3.0	ICP-MS USP<730>
Total Arsenic (As)	Report Only (ppm)	ICP-MS USP<730>
Inorganic Arsenic (As)	Report Only (ppm)	ICP-MS USP<730>
Cadmium (Cd)	NMT (ppm) 1.0	ICP-MS USP<730>
Mercury (Hg)	NMT (ppm) 1.0	ICP-MS USP<730>
Solvent Residue	Meets Requirements	GC USP<467>
Pesticide Residue	Meets Requirements	USP<565>

MICROBIOLOGICAL

Total Plate Count	NMT (cfu/g) 10,000	USP<2021>
Yeast & Mold	NMT (cfu/g) 1,000	USP<2021>
E.Coli.	Absent (cfu/10g)	USP<2022>
Salmonella	Absent (cfu/10g)	USP<2022>
Staphylococcus aureus	Absent (cfu/10g)	USP<2022>

PACKING & STORAGE

Packed in a polyethylene lined corrugated package.
 Store in a well-closed container away from moisture, light, and heat.


SHELF LIFE

36 months if under the conditions above and in its original packaging.

NOTE

This is a natural product, variances may be found that are due to the growing and drying conditions, age, season, harvest time, geographic location, production process, etc.

Completed by: Qiangang Wang

Signature: 

Title: Quality Control Manager

Date: 10/12/2023