

Certificate of analysis

Product: *Chlamydomonas reinhardtii* Red Powder
Origin: Triton Algae Innovations, San Diego, CA 92121,USA
Lot #: SPRD 09
Species Name: *Chlamydomonas reinhardtii*

Specific analysis for this lot: **SPRD09**

Quality Measure	Specification	Results	Units	Method	Conclusion
Moisture	≤10	2.69	%	AOAC 925.10	Specification Met
Protein (crude)	30-70	45.3	%	AOAC 992.15	Specification Met
Fat (crude)	≤10	4.50	%	AOAC 922.06	Specification Met
Fiber (acid detergent)	0-25	0.1	%	AOAC Ba 6a-05	Specification Met
Starch	≤55	22.0	%	Medallion Internal Method ¹	Specification Met
Ash	≤5	4.98	%	AOAC 923.03	Specification Met
Appearance	red powder	red powder		Visual	Specification Met
Microbiological					
Aerobic plate count	≤10,000	n.d.	CFU•g-1	AOAC 966.23	Specification Met
E. coli	Negative	Negative	CFU•g-1	AOAC 991.14	Specification Met
Yeast & Mold	≤1000	n.d.	CFU•g-1	FDA/BAM Ch. 18	Specification Met
Staphylococcus aureus	≤100	n.d.	CFU•g-1	AOAC 2003.07	Specification Met
Total coliforms	≤100	n.d.	CFU•g-1	AOAC 991.14	Specification Met
Salmonella	Negative	Negative	Org•25g	AOAC 2003.07	Specification Met
Metals					
Arsenic	≤1	0.011	ppm	AOAC 993.14	Specification Met
Cadmium	≤1	n.d.	ppm	AOAC 993.14	Specification Met
Lead	≤1	n.d.	ppm	AOAC 993.14	Specification Met
Mercury	≤1	n.d.	ppm	EPA 7471	Specification Met
Protoporphyrin IX	3-7%	5.49%	%	Triton PPIX prot. ²	Specification Met

Date of Manufacture: 02/17/2021

Country of Origin and Manufacturer: United States of America

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¹ Medallion labs modified from AOAC 979.10

² Triton Algae Innovations modified from Kang et al. Anal Sci. 2016;32(8):887-92.