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## Certificate of Analysis

Product: Fucoidan  
Product number: PS111  
Batch number: CCDX001-155

	Specification	Result
Appearance:	Light brown - brown solid	Pass
Identity ( FT-IR):	Conforms to standard	Pass
Total Fucoidan (%):	Minimum 80%	84.1%
Moisture content:	Not more than 5%	4.8%
Total ash:	Not more than 25%	19.8%
Total free sugars:	Not more than 0.3%	Pass
Particle size:	80% <300µm	95%
pH (1% solution):	3.0-7.0	5.9
Aerobic microbial count:	Not more than 100 CFU/g	10 CFU/g

Certified by:

Dr R Siertsema,  
Senior Analytical Chemist

Date: 9<sup>th</sup> October 2007

Approved by:

Dr K Etherington,  
Head of Quality

Date: 9 October 2007