

Japan
Food
Research
Laboratories

No. 12101066001-01
October 18, 2012

CERTIFICATE OF ANALYSIS

Client: Goshushouji Co., Ltd.

Specimen Name: Fish Collagen

1-1000 Ultra Low Molecules

This is to certify that the following result(s) have been obtained accordingly to our analysis on the above mentioned sample(s) submitted by the client.

RESULT(S)

Item:	Result	LD	Note	Method
Hydroxyproline	11.0 g/100g	---		Automatic Analysis of amino Acid
Hydroxylysine	1.24 g/100g	---		Automatic Analysis of amino Acid
Amino Acid	---	---		---
Arginine	7.82 g/100g	---		Automatic Analysis of amino Acid
Lysine	3.51 g/100g	---		Automatic Analysis of amino Acid
Histidine	0.75 g/100g	---		Automatic Analysis of amino Acid
Phenylalanine	1.71 g/100g	---		Automatic Analysis of amino Acid
Tyrosine	0.20 g/100g	---		Automatic Analysis of amino Acid
Leucine	2.53 g/100g	---		Automatic Analysis of amino Acid
Isoleucine	1.14 g/100g	---		Automatic Analysis of amino Acid
Methionine	1.14 g/100g	---		Automatic Analysis of amino Acid
Valine	2.03 g/100g	---		Automatic Analysis of amino Acid
Alanine	10.8 g/100g	---		Automatic Analysis of amino Acid
Glycine	23.3 g/100g	---		Automatic Analysis of amino Acid
Proline	13.8 g/100g	---		Automatic Analysis of amino Acid
Glutamic Acid	6.91 g/100g	---		Automatic Analysis of amino Acid
Serine	3.57 g/100g	---		Automatic Analysis of amino Acid
Threonine	2.50 g/100g	---		Automatic Analysis of amino Acid
Aspartic Acid	4.12 g/100g	---		Automatic Analysis of amino Acid
Tryptophan	Not Detected	0.01 g/100g		High performance liquid chromatography
Cystine	0.04 g/100g	---	1	Automatic Analysis of amino Acid

1). Ld: Minimum limit of determination.

Note:

1) Performic acid oxidation and hydrochloric acid hydrolysis were performed before measurement.

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