



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

## Certificate of Analysis

**Product Name:** Hydrolyzed Fish Collagen

**Batch No.:** HDC20220511

**Manufacturing Date:** May 11<sup>th</sup>, 2022

**Retest Date:** May 10<sup>th</sup>, 2024

**Country of Origin:** China

**Quantity:** 5000kg

**Analysis Date:** May 12<sup>th</sup>, 2022

**Standard:** GB31645-2018

Test Item	Unit	Specification				Test Result
Color	/	White or yellowish				Conforms
Taste & Odour	/	Typical, no peculiar smell				Conforms
State	/	Powder or granular, without caking, no foreign body visible to naked eyes				Conforms
Proportion of Collagen peptide with relative molecular weight less than 10000	%	Not less than 90.0				95.5
Moisture Content	%	Not more than 7.0				6.5
Ash Content	%	Not more than 7.0				1.3
Total Nitrogen(On Dry Basis)	g/100g	Not less than 15.0				16.7
Hydroxyproline(On Dry Basis)	g/100g	Not less than 3.0				6.9
Lead(Pb)	mg/kg	Not more than 1.0				<1.0
Chromium(Cr)	mg/kg	Not more than 2.0				0.66
Total Arsenic(As)	mg/kg	Not more than 1.0				<1.0
Cadmium(Cd)	mg/kg	Not more than 0.1				<0.1
Total Mercury(Hg)	mg/kg	Not more than 0.1				<0.1
Total Plate Count	CFU/g	n	c	m	M	700, <10, <10, <10, <10
		5	2	10 <sup>4</sup>	10 <sup>5</sup>	
Coliforms	CFU/g	n	c	m	M	<10, <10, <10, <10, <10
		5	2	10	10 <sup>2</sup>	

**Conclusion:** This batch of product complies with the standard of GB31645-2018.

**Packing:** Packed in a double-layer bag with a net weight of 20kg, the inner bag is a food grade PE film bag, and the outer bag is a composite kraft paper bag; 500kg per pallet.

**Storage:** Store in a ventilated environment away from moisture and heat.