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CNAS L10449

Analytical Report

Sample Code	128-2022-00006244	Report date	25-Feb-2022
Certificate No.	AR-22-VV-008750-01		

YANTAI SHUANGTA FOOD CO,LTD.

Zhaili, Jinling Town, Zhaoyuan City,
Yantai, Shandong Province, P.R.China
265400

Our reference:	128-2022-00006244/ AR-22-VV-008750-01
Sample described as:	pea protein 80%
Sample Packaging:	Sealed aluminum foil bag
Sample reception date:	09-Feb-2022
Analysis Starting Date:	09-Feb-2022
Analysis Ending Date:	25-Feb-2022
Arrival Temperature (°C)	14.5
Sample Weight	3.11kg

		Results	Unit	LOQ	LOD
▵ VV002	Coliforms Method: GB 4789.3-2016 Second Method				
	Coliforms	<10	cfu/g		
▵ VV005	Escherichia coli Method: GB 4789.38-2012 Second Method				
	Escherichia coli	<10	cfu/g		
▵ VV007	Staphylococcus aureus Method: GB 4789.10-2016 Second Method				
	Staphylococcus aureus	<10	cfu/g		
▵ VV00A	Listeria monocytogenes Method: GB 4789.30-2016 Firsrt method				
	Listeria monocytogenes	Not Detected	/25 g		
▵ VV00K	Salmonella in 375g Method: ISO 6579-1:2017				
	Salmonella	Not Detected	/375 g		
▵ VV00P	Aerobic plate count Method: ISO 4833-1:2013				
	Aerobic plate count	45	cfu/g		

		Results	Unit	LOQ	LOD
▵ VV10H	Aflatoxins B1, B2, G1, G2 Method: GB 5009.22-2016 First method				
	Aflatoxin B1	<LOQ	μg/kg	0.1	
	Aflatoxin B2	<LOQ	μg/kg	0.2	
	Aflatoxin G1	<LOQ	μg/kg	0.1	
	Aflatoxin G2	<LOQ	μg/kg	0.2	
	Sum of Aflatoxins B1,B2,G1,G2	N/A	μg/kg		

		Results	Unit	LOQ	LOD
▵ VV053	Allergen – Soya (ELISA) Method: ESQ-TP-0203 Neogen 8410				
	Soya protein	<1.29	mg/kg	1.29	
▵ VV052	Allergen – Gluten (ELISA) Method: ESQ-TP-0207 r-BioPharm ELISA				
	Gluten	<5	mg/kg	5	

		Results	Unit	LOQ	LOD
☆ SU714	Fluorine Method: GB T 5009.18-2003(Third Method)				
	Fluorine (F)	6.8	mg/kg	3	
▵ VV1TY	Sodium(Na)(F-AAS) Method: GB 5009.91-2017 1st Method				
	Sodium (Na)	1080	mg/100 g	3	

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		Results	Unit	LOQ	LOD
▵ VV1TL	Total Mercury(Hg)(HG-AFS) Method: GB 5009.17 -2014 First chapter first method				
	Total Mercury(Hg)	<0.01	mg/kg	0.01	
▵ VV1TJ	Total Arsenic(As)(HG-AFS) Method: GB 5009.11-2014 Chapter one,Second method				
	Total Arsenic(As)	<0.04	mg/kg	0.04	
▵ VV1TG	Lead (Pb) (GF-AAS) Method: GB 5009.12-2017 First method				
	Lead (Pb)	0.072	mg/kg	0.04	
▵ VV1TN	Cadmium(Cd)(GF-AAS) Method: GB 5009.15-2014				
	Cadmium (Cd)	0.045	mg/kg	0.003	
▵ VV60E	Selenium(Se)(HG-AFS) Method: GB 5009.93-2017 the first method				
	Selenium (Se)	0.89	mg/kg	0.03	
▵ VV613	Magnesium(Mg)(ICP-MS) Method: GB 5009.268-2016 First method				
	Magnesium (Mg)	407	mg/kg	3	
▵ VV616	Calcium (Ca)(ICP-MS) Method: GB 5009.268-2016 First method				
	Calcium (Ca)	1100	mg/kg	3	
▵ VV618	Manganese (Mn)(ICP-MS) Method: GB 5009.268-2016 First method				
	Manganese (Mn)	10.8	mg/kg	0.3	
▵ VV61A	Iron(Fe)(ICP-MS) Method: GB 5009.268-2016 First method				
	Iron (Fe)	224	mg/kg	3	
▵ VV61E	Copper(Cu)(ICP-MS) Method: GB 5009.268-2016 First method				
	Copper (Cu)	12.4	mg/kg	0.2	
▵ VV61G	Zinc(Zn)(ICP-MS) Method: GB 5009.268-2016 First method				
	Zinc (Zn)	84.7	mg/kg	2	
▵ VV60I	Chromium(Cr)(ICP-MS) Method: GB 5009.268-2016 First method				
	Chromium (Cr)	<0.2	mg/kg	0.2	
▵ VV6WI	Molybdenum(Mo)(ICP-MS) Method: GB 5009.268-2016 First method				
	Molybdenum (Mo)	2.34	mg/kg	0.03	
▵ VV6WF	Potassium (K)(ICP-MS) Method: GB 5009.268-2016 First method				
	Potassium (K)	490	mg/kg	3	
VV69T	Phosphorus Method: GB 5009.87-2016 first method				
	Phosphorus	760	mg/100 g	60	

		Results	Unit	LOQ	LOD
▵ VV101	Melamine Method: SN/T 3032-2011				
	Melamine	<LOQ	mg/kg	0.05	

		Results	Unit	LOQ	LOD
▵ VV158	Protein (dry basis) Method: GB 5009.5-2016 First method				
	Protein Factor	6.25			
	Protein	80.8	g/100 g		
	Protein (dry basis)	86.0	g/100 g	0.1	
▵ VV156	Carbohydrates Method: GB 28050-2011				
	Carbohydrates	0.6	g/100 g		
▵ VV151	Total fat Method: GB 5009.6-2016 Second method				
	Total fat	8.7	g/100 g	0.1	
▵ VV150	Free fat Method: GB 5009.6-2016 First Method				
	Free fat content	<0.1	g/100 g	0.1	
▵ VV155	Energy(Mainland) Method: GB 28050-2011				
	Energy kcal (calculated)	404	kcal/100 g		
	Energy kJ (calculated)	1705	kJ/100 g		
▵ VV134	Moisture (Direct drying method) Method: GB 5009.3-2016 First method				
	Moisture	6.02	g/100 g	0.1	
▵ VV14W	Ash Method: GB 5009.4-2016 First method				
	Ash	3.9	g/100 g	0.01	
☆ SU20Q	Dietary fiber Method: AOAC 991.43 1994				
	Dietary fiber	1.93	g/100 g	0.5	
☆ SU20S	Total fat Method: GB 5009.6-2016 Second method				
	Total fat	8.78	g/100 g	0.1	
☆ SU21V	Fatty acid profile Method: ISO 12966-4:2015; ISO 12966-2:2017				

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		Results	Unit	LOQ	LOD
	mono-unsaturated fatty acids total	2.24	g/100 g	0.1	
	poly-unsaturated fatty acids total	4.63	g/100 g	0.1	
	saturated fatty acids total	1.82	g/100 g	0.1	
	total of trans fatty acids	<0.1	g/100 g	0.1	
☆ SU22H	Total sugar Method: GB 5009.8-2016 Second method				
	Total sugars	<0.25	g/100 g	0.25	
☆ SU24X	Insoluble dietary fiber Method: AOAC 991.43 1994				
	Fiber, Dietary, Insoluble	1.93	g/100 g	0.5	
☆ SU24Y	Soluble dietary fiber Method: AOAC 991.43 1994				
	Fiber, Dietary, Soluble	<0.5	g/100 g	0.5	
☆ SU513	Vitamin D3 Method: GB 5009.82-2016 Fourth method				
	Vitamin D3	<0.5	μg/100 g	0.5	
☆ SU510	Vitamin K1 Method: GB 5009.158-2016 First method				
	Vitamin K1	19.5	μg/100 g	3	
☆ SU512	Vitamin A Method: GB 5009.82-2016 First method				
	Vitamin A (retinol)	<3	μg/100 g	3	
☆ SU50I	Biotin(Vitamin B7) Method: R-Biopharm VitaFast® Biotin P1003 2016				
	Biotin	0.81	μg/100 g	0.08	
☆ SU501	Vitamin B1(Thiamine) Method: GB 5009.84-2016 First method				
	Vitamin B1 thiamin base	<0.1	mg/100 g	0.1	
☆ SU502	Vitamin B2 (Riboflavin) Method: GB 5009.85-2016 First method				
	Vitamin B2 (riboflavin)	<0.05	mg/100 g	0.05	
☆ SU503	Niacin Method: GB 5009.89-2016 Second method				
	Niacin	<100	μg/100 g	100	
☆ SU53P	Ascorbic Acid (Vitamin C) Method: GB 5009.86-2016 Method 2				
	L-ascorbic acid	<0.5	mg/100 g	0.5	
☆ SU52Z	Vitamin B6 (Pyridoxine + Pyridoxal) Method: GB 5009.154-2016 First method				
	Vitamin B6 (Pyridoxine and Pyridoxal)	<0.05	mg/100 g	0.05	
☆ SU2YX	Vitamin E Method: GB 5009.82-2016 First method				
	Alpha-Tocopherol	<0.03	mg/100 g	0.03	
	Beta-Tocopherol	<0.03	mg/100 g	0.03	
	Delta-Tocopherol	<0.03	mg/100 g	0.03	
	Gamma-Tocopherol	2.88	mg/100 g	0.03	
	Vitamin E	2.88	mg/100 g	0.03	
☆ SU3IX	Cholesterol Method: AOAC 994.10 1994 (ESS-TP-3401)				
	Cholesterol	Not Detected	mg/100 g	0.5	
▵ VV60D	Starch Method: GB 5009.9-2016 Second method				
	Starch	5.25	g/100 g	0.25	
▵ VV66M	Chloride(calculated as Cl) Method: GB 5009.44-2016 third method				
	Chlorides(calculated as Cl)	0.13	%	0.03	
☆ SU53D	Vitamin B12 Method: R-Biopharm VitaFast® Cyanocobalamin P1002 2017				
	Vitamin B12 (cyanocobalamin)	1.15	μg/100 g	0.03	
☆ SU53E	Pantothenic acid (Vitamin B5) Method: R-Biopharm VitaFast® Pantothenic Acid P1005 2011				
	Pantothenic acid	0.67	mg/100 g	0.04	
☆ SU53F	Folic acid (Vitamin B9) Method: R-Biopharm VitaFast® Folic Acid P1001 2016				
	Folic acid	2.77	μg/100 g	0.16	
☆ SUZ0H	Iodine (ICP-MS) Method: GB 5009.267-2020 First method				
	Iodine (I)	0.121	mg/kg	0.03	
◉ VV9NJ	Choline chloride Method: GB/T 17481-2008				
	Choline chloride	<0.05	g/kg	0.05	

Calories from Fat:322kJ/100g
Calories from Saturated fat:67kJ/100g
Calories from Unsaturated fat:254kJ/100g
Calories from Carbohydrate:10kJ/100g
Calories from Protein:1374kJ/100g

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Kevin Fu
Authorized Signatory

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