

Certificate of Analysis

- **Plant Number** 55-205
- **EU Plant Number** 3009518317
- Lot Number 225-7
- Production Date August 13, 2017
- Product Code WPI9010
- Product Name Instant Whey Protein Isolate 90% (IWPI90)
- Bag Size 20kg

Physical Analysis	Result	Specification	Test Method
Protein (N x 6.38) % DB	92.04	90(min)	Calculation
Protein % as Is	86.52	<u>85 (min)</u>	AOAC
Moisture%	6.00	6.0 (max)	ISO9000 Loss-On-Drying
Fat%	0.71	1.5 (max)	SMEDP
Ash%	2.85	5.0(max)	AOAC
pH	6.35	5.5 - 7.0 (max)	10% at 20°C
Scorched Particles	A	Disc A (7.5 max)	Filter Pad

Microbiological	Result	Specification	Test Method
Standard Plate Count, cfu/g	300	10,000 (max)	Petrifilm 32C (dairy)
Coliform, cfu/g	<10	10 (max)	Petrifilm 32C (dairy)
Yeast, cfu/g	<10	<u>50 Im L</u>	SMEDP
Mold, cfu/g	<10	50 (max)	SMEDP
E. coli, cfu/g	<10	<10	Petrifilm 32C (dairy)
Staph. aureus, cfu/g	<10	<10	FDA/BAM
Salmonella (375g)	<u>Negative</u>	<u>Negative</u>	BAX, FDA/BAM
Listeria E 5&L	Negative	Negative	AOAC

COA Expiration Date: 2 years from production date
 This dairy product is made from BOVINE source

X Renae Wahl

Certificate Approved by: Renae Wahl - Quality Manager

August 23, 2017

Date: