

The laboratory of Betagro Science Center Company Limited (Phatthalung Branch) has been accepted as an accredited laboratory in the field of food, feeding stuffs and veterinary diagnosis testing for the following scopes.

No	Type of Sample		Test	Method
1	- Meat and Meat Products	1.	Total Viable Count	Compendium of Methods for the
	(Fresh, Chilled, Frozen, Heat		(TVC)	Microbiological Examination of
	Treated, Process)			Foods, (APHA), 5 th Edition, 2015
	- Animal Carcass			(Chapter 8)
	- Seafood and Seafood Products	2.	Coliforms	Compendium of Methods for the
	(Fresh, Chilled, Frozen, Heat	3.	Escherichia coli	Microbiological Examination of
	Treated, Processed)	4.	Enterobacteriaceae	Foods, (APHA), 5 th Edition, 2015
	- Egg and Egg Products			(Chapter 9)
	(Fresh, Chilled, Frozen, Heat	5.	Staphylococcus aureus	Nord Val Certificate No. 042
	Treated, Process)	6.	Enterococci	Nord Val Certificate No. 047
	- Ready-to-Cook Foods	7.	Clostridium perfringens	ISO 7937 : 2004
	- Ready-to-Eat Foods	8.	Listeria monocytogenes	AFNOR Certificate No. BIO
	- Instant Food			12/18-03/06
	- Vegetable and Vegetable	9.	Listeria spp.	AFNOR Certificate No.BIO
	Products			12/18-03/06
	- Fruit and Fruit Products	10.	Salmonella spp.	ISO 6579-1: 2017/ Amd.1:2020
		11.	Yeasts	Compendium of Methods for the
		12.	Molds	Microbiological Examination of
		13.	Yeasts and Molds	Foods, (APHA), 5 th Edition., 2015
				(Chapter 21)
2	Meat and Meat Products	14.	Campylobacter spp.	AFNOR Certificate No. BIO
	(Fresh, Chilled, Frozen, Heat	15.	Campylobacter jejuni	12/29-05/10
	Treated, Processed)	16.	Campylobacter coli	

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.....(Mr.Surasak Muenphon)

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No	Type of Sample	Test	Method
3	Feed and Raw material	17. Salmonella spp.	ISO 6579-1:2017/ Amd.1:2020
4	Environmental Sample from	18. Salmonella spp.	ISO 6579-1:2017/ Amd.1:2020
	the Primary Production		
	Stage		
	- Surface swab		
	- Sweeping swab		
	- Boot swab		
	- Drag swab		
	- Egg shell		
	- Litter		
	- Cloacal swab		
5	5.1 Non-potable water	19. Total Viable Count 22°C	ISO 6222: 1999
	- Water to be used in the factory	20. Total Viable Count 36°C	
	- Supply water	21. Total Viable Count 35°C	3M Petrifilm Aqua Heterotrophic
	5.2 Potable water		(AQHC) Plate method
	- Drinking Water in sealed	22. Coliforms	Standard Methods for the Examination
	container	23. Escherichia coli	of Water and Wastewater. APHA,
	5.3 Ice		AWWA, WEF, 23 rd Edition, 2017. Part
			9221 B, 9221 E, 9221 F
		24. Staphylococcus aureus	Standard Methods for The Examination
			of Water and Wastewater. APHA,
			AWWA, WEF, 23 rd Edition, 2017.
			Part 9213 B
		25. Enterococci	Nordval International Certificate
			No. 047
		26. Clostridium perfringens	ISO 14189 : 2013
		27. Salmonella spp.	ISO 19250: 2010

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No	Type of Sample	Test	Method
6	Meat	Antimicrobial substance	In - house method TI-B00-014
	(Fresh, Chilled, Frozen)	residues:	by six-plate agar diffusion assay
		28. Penicillin G	
		29. Sulfadimidine	
		30. Streptomycin	
		31. Erythromycin	
		32. Ciprofloxacin	
		33. Oxytetracycline	
7	Food Industry Environment	34. Total Viable Count (TVC)	Compendium of Methods for the
	Samples		Microbiological Examination of
	- Swab test		Foods, (APHA), 5 th Edition, 2015
	- Surface Swab		(Chapter 8)
	- Sweeping Swab	35. Coliforms	Compendium of Methods for the
	- Drag Swab	36. Escherichia coli	Microbiological Examination of
		37. Enterobacteriaceae	Foods, (APHA), 5 th Edition, 2015
			(Chapter 9)
		38. Salmonella spp.	ISO 6579-1:2017/ Amd.1:2020
8	Seafood and Seafood Products	39. Vibrio parahaemolyticus	FDA BAM Online, 2004 (Chapter 9)
	(Fresh, Chilled, Frozen, Heat	40. Vibrio cholerae	
	Treated, Process, Animal		
	Carcass)		

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No	Type of Sample		Test	Method
9	Chicken serum	41.	Infectious Bursal Disease	Infectious Bursal Disease Virus
			(IBD) Antibody Test	Antibody Test Kit, Zoetis:40017330,
				March 2017
		42.	Mycoplasma	Mycoplasma Gallisepticum Antibody
			gallisepticum (MG)	Test Kit, Zoetis:40016489, February
				2017
		43.	Mycoplasm synoviae	Mycoplasma Synoviae Antibody Test
			(MS)	Kit, Zoetis: 40017346, March 2017
		44.	Infectious Bronchitis	IBV ELISA CK 119
			Virus (IBV) Antibody Test	
		45.	Newcastle Disease	In-house method TI-V00-004 based on
			Virus (NDV)	The World Organization for Animal
			Antibody Test	Health (OIE): 2013 (Chapter 2.3.14)
		46.	Infectious Bronchitis	In-house method TI-V00-005 based on
			Virus (IBV) Antibody	A Laboratory Manual for The
			Test	Isolation, Identification and
				Characterization of Avian Pathogens,
				5 th Edition, 2008
		47.	Mycoplasma	In-house method TI-V00-001 based on
			gallicepticum (MG)	Mycoplasma gallicepticum Bacterial
				Suspension for Rapid Agglutination
				Test
9	Chicken serum	48.	Mycoplasma synoviae	In-house method TI-V00-002 based on
			(MS)	Mycoplasma synoviae Bacterial
				Suspension for Rapid Agglutination
				Test

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No	Type of Sample		Test	Method
10	Swine serum	49.	Porcine Reproductive	IDEXX PRRS X3 Ab Test
			and Respiratory Syndrome	
			Virus (PRRSV)	
			Antibody Test	
		50.	Porcine Reproductive	AniGen PRRS Ab ELISA 4.0
			and Respiratory Syndrome	
			Virus (PRRSV)	
			Antibody Test	
11	Suspect Infectious Samples	51.	Porcine Reproductive	In-house method TI-V00-020 based on
	- Bronchoalveolar lavage (BAL)		and Respiratory Syndrome	The World Organization for Animal
	- Swine Organ		Virus (PRRS) (EU, US,	Health (OIE):2015 (Chapter 2.8.6)
	- Swine Serum		HP-PRRSV Strains)	
	- secretion			

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