Name of Laboratory : CPF (Thailand) Laboratory, Ratchaburi,

CPF (Thailand) Public Company Limited

Address : 80/3 Moo 8, Petchakasem Road, Tambon Donkrabuang,

Amphoe Banpong, Changwat Ratchaburi 70110

Accreditation Number: Testing - 0119

Contact Person : Mr. Tawan Bupphar

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Issue Date : 29th November 2023

Expired date : 26th June 2026

Standard : ISO/IEC 17025:2017

Reference No. : 0303/19412

JUJ/ 19412

Scope of Testing Laboratory Accreditation

Laboratory Name : CPF (Thailand) Laboratory, Ratchaburi, CPF (Thailand) Public Company Limited

Address : 80/3 Moo 8, Petchakasem Road, Tambon Donkrabuang,

Amphoe Banpong, Changwat Ratchaburi 70110

Accreditation Number : Testing - 0119

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laborator	Labolatory Status . D reimanent D site D reimporary D Mobile			
Item	Test Material /	Test Item /	Test Method /	
Number	Product	Range of Testing	Technique Used	
1	Feed	- Moisture	ISO 12099 : 2017	
		9.20 g/100 g to 11.9 g/100 g		
		- Crude protein		
		12.0 g/100 g to 23.8 g/100 g		
		- Fat		
		2.80 g/100 g to 9.40 g/100 g		
		- Crude Fiber		
		1.60 g/100 g to 7.10 g/100 g		
2	Feed material	- Moisture	ISO 12099 : 2017	
		9.80 g/100 g to 15.0 g/100 g		
		- Crude protein		
		2.00 g/100 g to 87.2 g/100 g		

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 1/7

Scope of Testing Laboratory Accreditation

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Amphoe Banpong, Changwat Ratchaburi 70110

Accreditation Number : Testing - 0119

Laboratory Status : $oxed{oldsymbol{\square}}$ Permanent $oxed{\Box}$ Site $oxed{\Box}$ Temporary $oxed{\Box}$ Mobile

Item	Test Material /	Test Item /	Test Method /
Number	Product	Range of Testing	Technique Used
2	Feed material	- Fat	ISO 12099 : 2017
(cont.)		1.60 g/100 g to 22.1 g/100 g	
		- Crude fiber	
		1.50 g/100 g to 28.7 g/100 g	
		- Starch	
		49.1 g/100 g to 75.0 g/100 g	
3	Corn	- Moisture	- ISO 12099 : 2017
		13.0 g/100 g to 29.9 g/100 g	- In – house method : RBF-QP-703-01
			based on ISO 24333 : 2009 (Sampling)
		- Moisture	- In – house method : CTL-TE-NIRC-02
		13.0 g/100 g to 29.9 g/100 g	based on ISO12099 : 2017
			- In – house method : RBF-QP-703-01
			based on ISO 24333 : 2009 (Sampling)

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 2/7

Scope of Testing Laboratory Accreditation

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Accreditation Number : Testing - 0119

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

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Test Material /	Test Item /	Test Method /
Product	Range of Testing	Technique Used
Rice bran fine	- Moisture	- ISO12099 : 2017
	9.80 g/100 g to 10.3 g/100 g	- In – house method : RBF-QP-703-01
		based on ISO 24333 : 2009 (Sampling)
	- Crude protein	
	12.1 g/100 g to 13.6 g/100 g	
	- Fat	
	12.6 g/100 g to 19.7 g/100 g	
	- Crude fiber	
	2.40 g/100 g to 7.30 g/100 g	
	Test Material / Product	Test Material / Test Item / Product Range of Testing Rice bran fine - Moisture 9.80 g/100 g to 10.3 g/100 g - Crude protein 12.1 g/100 g to 13.6 g/100 g - Fat 12.6 g/100 g to 19.7 g/100 g - Crude fiber

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 3/7

Scope of Testing Laboratory Accreditation

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Amphoe Banpong, Changwat Ratchaburi 70110

Accreditation Number : Testing - 0119

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laboratory Status . El Permanent El Site El Pemporary El Mobile			
Item	Test Material /	Test Item /	Test Method /
Number	Product	Range of Testing	Technique Used
4	Rice bran fine	- Moisture	- In – house method : CTL-TE-NIRC-02
(cont.)		9.80 g/100 g to 10.3 g/100 g	based on ISO 12099 : 2017
			- In – house method : RBF-QP-703-01
		- Crude protein	based on ISO 24333 : 2009 (Sampling)
		12.5 g/100 g to 13.5 g/100 g	
		- Fat	
		14.8 g/100 g to 17.7 g/100 g	
		- Crude fiber	
		4.30 g/100 g to 6.40 g/100 g	
5	Broken rice	- Moisture	- In – house method : CTL-TE-NIRC-02
		12.5 g/100 g to 14.0 g/100 g	based on ISO 12099 : 2017
			- In – house method : RBF-QP-703-01
			based on ISO 24333 : 2009 (Sampling)

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 4/7

Scope of Testing Laboratory Accreditation

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Laboratory Status : $oxed{oldsymbol{\square}}$ Permanent $oxed{\Box}$ Site $oxed{\Box}$ Temporary $oxed{\Box}$ Mobile

Item	Test Material /	Test Item /	Test Method /
Number	Product	Range of Testing	Technique Used
6	Distillers Dried Grains	- Crude protein	- In – house method : CTL-TE-NIRC-02
	with Solubles (DDGS)	26.9 g/100 g to 29.0 g/100 g	based on ISO 12099 : 2017
			- In – house method : RBF-QP-703-01
			based on ISO 24333 : 2009 (Sampling)
7	Soy bean meal	- Crude protein	- In – house method : CTL-TE-NIRC-02
		46.2 g/100 g to 48.9 g/100 g	based on ISO 12099 : 2017
			- In – house method : RBF-QP-703-01
		- Crude fiber	based on ISO 24333 : 2009 (Sampling)
		2.90 g/100 g to 4.07 g/100 g	
8	Cassava chip	- Starch	- In - house method : CTL-TE-NIRC-02
		65.3 g/100 g to 74.3 g/100 g	based on ISO 12099 : 2017
		- Crude protein	
		1.60 g/100 g to 2.40 g/100 g	

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 5/7

Scope of Testing Laboratory Accreditation

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Amphoe Banpong, Changwat Ratchaburi 70110

Accreditation Number : Testing - 0119

Laboratory Status : ☑ Permanent ☐ Site ☐ Temporary ☐ Mobile

Laborator	Laboratory Status : Permanent Li Site Li Temporary Li Mobile			
Item	Test Material /	Test Item /	Test Method /	
Number	Product	Range of Testing	Technique Used	
9	Tapioca By Product	- Starch	- In - house method : CTL-TE-NIRC-02	
		49.2 g/100g to 50.6 g/100g	based on ISO 12099 : 2017	
			- In - house method RBF-QP-703-01	
			based on ISO 24333 : 2009 (Sampling)	
10	Feather meal	- Crude protein	- In - house method : CTL-TE-NIRC-02	
		80.9 g/100g to 87.0 g/100g	based on ISO 12099 : 2017	
			- In - house method RBF-QP-703-01	
			based on ISO 24333 : 2009 (Sampling)	
11	Paddy	- Moisture	- In - house method : CTL-TE-NIRC-02	
		11.6 g/100 g to 14.7 g/100 g	based on ISO 12099 : 2017	
			- In - house method RBF-QP-703-01	
			based on ISO 24333 : 2009 (Sampling)	

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 6/7

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Laboratory Status : $oxed{oldsymbol{\square}}$ Permanent $oxed{\Box}$ Site $oxed{\Box}$ Temporary $oxed{\Box}$ Mobile

Item	Test Material /	Test Item /	Test Method /
Number	Product	Range of Testing	Technique Used
12	Rice bran solvent	- Crude protein	- In - house method : CTL-TE-NIRC-02
		15.8 g/100 g to 18.5 g/100 g	based on ISO 12099 : 2017
			- In - house method RBF-QP-703-01
		- Crude fiber	based on ISO 24333 : 2009 (Sampling)
		6.50 g/100g to 10.4 g/100g	
13	Palm kernel meal	- Crude protein	- In - house method : CTL-TE-NIRC-02
		15.0 g/100 g to 17.2 g/100 g	based on ISO 12099 : 2017
			- In - house method RBF-QP-703-01
		- Fat	based on ISO 24333 : 2009 (Sampling)
		5.60 g/100 g to 11.9 g/100 g	

Initial Issue Date 26th January 2015

Issue Number 8

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

LA-F-31-9/11-19 page 7/7