

Name of Laboratory : Laboratory of Cotecna Inspection (Thailand) Co., Ltd.
Address : 8/4 Soi Rintangduan 2, Bangjak, Phrakhanong, Bangkok 10260
Accreditation Number : Testing - 0163
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Initial Issue Date : 26th December 2017
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Standard : ISO/IEC 17025:2017
Reference No. : 0303/19517

Scope of Testing Laboratory Accreditation

Laboratory Name : Laboratory of Cotecna Inspection (Thailand) Co., Ltd.

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Accreditation Number : Testing - 0163

Laboratory Status : Permanent Site Temporary Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1	Refined sugar	- Color value 10 ICUMSA Units to 45 ICUMSA Units	ICUMSA Method GS9/1/2/3-8 (2011)
2	White sugar	- Color value 46 ICUMSA Units to 108 ICUMSA Units	ICUMSA Method GS9/1/2/3-8 (2011)
3	Raw sugar	- Color value 745 ICUMSA Units to 16 000 ICUMSA Units	ICUMSA Method GS9/1/2/3-8 (2011)
4	Feed material	- Fat 1.3 g/100 g to 25.1 g/100 g - Fat 1.4 g/100 g to 18.2 g/100 g - Crude ash 2.5 g/100 g to 7.2 g/100 g	GAFTA Method 3:0, 2003 ISO 6492 : 1999 GAFTA Method 12:0, 2003

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4 (cont.)	Feed material	- Crude protein 15.4 g/100 g to 49.6 g/100 g	GAFTA Method 4:0, 2003
		- Crude protein 15.3 g/100 g to 50.0 g/100g	ISO 5983-2 : 2009
		- Moisture 10.0 g/100 g to 14.5 g/100 g	ISO 6496 : 1999
		- Crude fiber 2.0 g/100 g ถึง 18.0 g/100 g	ISO 6865 : 2000
5	Rice	- Moisture 10.1 g/100 g to 14.3 g/100 g	AOAC Official Methods of Analysis, 21 st ed., 2019, method 925.10
		- Moisture 10.0 g/100 g to 14.3 g/100 g	ISO 712 : 2009

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6	Cassava starch	- Moisture 9.9 g/100 g to 14.1 g/100 g	AOAC Official Methods of Analysis, 21 st ed., 2019, method 925.10
		- Ash 0.08 g/100 g to 0.30 g/100 g	AOAC Official Methods of Analysis, 21 st ed., 2019, method 923.03
7	Cereals	- Ash 0.7 g/100 g to 5.2 g/100 g	ISO 2171 : 2007
8	Coal	- Moisture 1.09 g/100 g to 23.80 g/100 g	ASTM D3173-17a
		- Ash 6.11 g/100 g to 41.49 g/100 g	ASTM D3174-12
		- Volatile matter 26.25 g/100 g to 43.78 g/100 g	In – house method : TM-MN-003 based on ASTM D3175-20

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8 (cont.)	Coal	- Sulfur 0.42 g/100 g to 1.75 g/100 g - Fixed carbon 32.26 g/100 g to 50.11 g/100 g - Gross calorific value 4 628 kcal/kg to 6 777 kcal/kg	ASTM D4239-18 ^{E1} (method A) ASTM D3172-13 ASTM D5865-19

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