

Name of Laboratory : Laboratory of Thai Foods Feed Mills Co., Ltd. (Suphanburi)  
Address : 119 Moo 3 Malaiman Road, Tambon Saphanglan,  
Amphoe U-Thong, Changwat Suphan Buri 72220  
Accreditation Number : Testing - 0098  
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Standard : ISO/IEC 17025:2017  
Reference No. : 0303/18028

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Laboratory Status :  Permanent  Site  Temporary  Mobile

| Item Number | Test Material / Product | Test Item / Range of Testing  | Test Method / Technique Used   |
|-------------|-------------------------|---|--|
| 1           | Feeding stuffs          | - Moisture<br>2.5 g/100 g to 14.0 g/100 g<br><br>- Crude protein<br>3.20 g/100 g to 85.00 g/100 g<br><br>- Crude protein<br>2.00 g/100 g to 94.50 g/100 g<br><br>- Crude fat<br>0.50 g/100 g to 20.00 g/100 g | ISO 6496 : 1999<br><br>ISO 5983-2 : 2009<br><br>In - house method : LAB-TE 7.2-22<br>based on AOAC Official Methods of<br>Analysis, 21 <sup>st</sup> ed., 2019,<br>method 990.03<br><br>In - house method : LAB-TE7.2-05<br>based on AOAC Official Methods of<br>Analysis, 21 <sup>st</sup> ed., 2019,<br>method 2003.05 |

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|--------------|-------------------------|--|---|
| 1<br>(cont.) | Feeding stuffs          | - Crude fiber<br>1.30 g/100 g to 47.00 g/100 g | ISO 6865 : 2000   |
|              |                         | - Ash<br>1.0 g/100 g to 40.0 g/100 g           | AOAC Official Methods of Analysis,<br>21 <sup>st</sup> ed., 2019, method 942.05   |
|              |                         | - Calcium<br>0.06 g/100 g to 40.00 g/100 g     | In - house method : LAB-TE7.2-07<br>based on AOAC Official Methods<br>of Analysis, 21 <sup>st</sup> ed., 2019,<br>method 968.08 |
|              |                         | - Phosphorus<br>0.07 g/100 g to 6.00 g/100 g   | In - house method : LAB-TE7.2-17<br>based on AOAC Official Methods<br>of Analysis, 21 <sup>st</sup> ed., 2019,<br>method 965.17 |

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|--------------|-------------------------|---|---|
| 1<br>(cont.) | Feeding stuffs          | - Sodium<br>0.06 g/100g to 39.00 g/100g           | In - house method : LAB-TE7.2-19<br>based on AOAC Official Methods of Analysis, 21 <sup>st</sup> ed., 2019, method 968.09         |
|              |                         | - Total Aflatoxin<br>4.0 µg/kg to 40.0 µg/kg      | Manual of Romer Labs ® AgraQuant ®<br>Total Aflatoxin Assay 4/40, ELISA kit<br>Package insert Article<br>number 10002098/10002099 |
| 2            | Feed                    | - Sodium chloride<br>0.06 g/100 g to 2.50 g/100 g | In - house method : LAB-TE7.2-06<br>based on AOAC Official Methods of Analysis, 21 <sup>st</sup> ed., 2019, method 943.01         |

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|-------------|-------------------------|---|---|
| 3           | Water                   | - pH<br>6.0 to 10.0   | In - house method : LAB-TE7.2-13<br>based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - H <sup>+</sup> B |
| 4           | Groundwater             | - Total hardness<br>(Calculated as CaCO <sub>3</sub> )<br>25 mg/L to 500 mg/L | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2340 C   |
| 5           | Wastewater              | - pH<br>5.0 to 10.0   | In - house method : LAB-TE7.2-13<br>based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - H <sup>+</sup> B |

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|-------------|-------------------------|---|---|
| 6           | Drinking water          | - Total hardness<br>(Calculated as CaCO <sub>3</sub> )<br>1 mg/L to 10 mg/L | Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2340 C |

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