

How to collaborate in combating AMR in animal sector of Thailand

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Thai Feed Mill Association



สมาคมผู้ผลิตอาหารสัตว์ไทย
THAI FEED MILL ASSOCIATION

What Feed Industry Do

- Collaborate with DLD and FDA for AMU monitoring under AMR national strategies.
- No AGP in feed since 30.11.2015
- Produce the medicated feed under the veterinarian prescription and veterinarian oversight.
- By GMP and HACCP system to certify for mixing uniformity and carry over prevention.
- More study for new feed additive and phytogenic feed additive to enhance animal gut health and immunity .





Pharmaceutical factory / Pharmaceutical company

Medicated premix registers from Thai Food and Drug Administration (FDA)

Feed mill (GMP/HACCP)

Under Veterinarian oversight .

Prescriptions by farm veterinarian

Direct farm

Dealer

Report usage based on standard farm regulation

Under Veterinarian recommendedtion

Farmers




Medicated Premix

- ❖ Need to be registered by Thai Food and Drug Administration (FDA)
- ❖ Need to be tested for uniformity in feed
- ❖ Test on heat resistance during pellet production



Medicated premix mixing uniformity tested





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LABORATORY REPORT


Report No : 3487/15739-15744/LS/2014 Date : August 28th, 2014
 Company :

Sample Received From : Dr Siripen Sandra Sukhabut
 Sample Received On : August 21st, 2014
 Test Commenced On : August 25th, 2014
 Test Completed On : August 26th, 2014
 Sample Description : Six samples of Feed in plastic bag .

*Samples tested as received.
 On analysis, the following test results were obtained :*

Sample Marking	Tiamulin Hydrogen Fumarate (HPLC-DAD)
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<u>Sample No.</u>	<u>Remarks</u>	<u>Type of Sample</u>	<u>Mfg Date</u>	<u>ppm</u>
SNA (1)	FD-5 Aug 14, Batch 1 (Start phase)	Mash Feed	9-Aug-14	129.33
SNA (2)	FD-5 Aug 14, Batch 1 (Middle phase)	Mash Feed	9-Aug-14	129.24
SNA (3)	FD-5 Aug 14, Batch 1 (End phase)	Mash Feed	9-Aug-14	124.64
SNA (4)	FD-5 Aug 14, Batch 2 (Start phase)	Mash Feed	9-Aug-14	121.17
SNA (5)	FD-5 Aug 14, Batch 2 (Middle phase)	Mash Feed	9-Aug-14	119.84
SNA (6)	FD-5 Aug 14, Batch 2 (End phase)	Mash Feed	9-Aug-14	114.87
			Mean	123.18
			Std Dev	5.67
			CV %	4.61



Chang Piek Ju (Ms)
Laboratory Manager

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Medicated premix stability tested





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LABORATORY REPORT

Report No : 1641/7775-7784/LS/2013 Date : May 8th, 2013
 Company :

Sample Received From : Dr Sittikorn Traiyarach
 Sample Received On : May 6th, 2013
 Test Commenced On : May 7th, 2013
 Test Completed On : May 7th, 2013
 Sample Description : Ten samples of Feed in plastic bag.

*Samples tested as received.
 On analysis, the following test results were obtained:*

<u>Sample Marking</u>	<u>Tiamulin Hydrogen Fumarate (HPLC-DAD)</u>				
<u>Sample No.</u>	<u>Lot No.</u>	<u>Type of Sample</u>	<u>MED</u>	<u>ppm</u>	
1	N/A	Swine Feed (Powder)	29-Apr-13	88.06	
2	N/A	Swine Feed (Powder)	29-Apr-13	88.26	
3	N/A	Swine Feed (Powder)	29-Apr-13	88.51	
4	N/A	Swine Feed (Powder)	29-Apr-13	88.72	
5	N/A	Swine Feed (Powder)	29-Apr-13	88.94	
				Mean	88.50
				Std Dev	0.35
				CV %	0.40
6	N/A	Swine Feed (Pellets)	29-Apr-13	100.69	
7	N/A	Swine Feed (Pellets)	29-Apr-13	100.17	
8	N/A	Swine Feed (Pellets)	29-Apr-13	100.47	
9	N/A	Swine Feed (Pellets)	29-Apr-13	100.36	
10	N/A	Swine Feed (Pellets)	29-Apr-13	101.20	
				Mean	100.58
				Std Dev	0.40
				CV %	0.39


 Soon-Jai Yuet Hoong (Mrs)
 Director, Laboratory

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Cross contamination tested



	Report To :					
	Report CC :					
	Address :					
	Sender :			Report No. :	34-BP.W-1580000646	
	Date Received :	21/01/2015		Date Reported :	22/02/2015 10:46:38	
	Date Delivered :	21/01/2015				
No.	Sample	Description	Production / Formula Date	Lot	MO (mg/kg)	MO (g/100g)
1	PX-KN1	20/01/2015 - BPF1 ELANCOBAN 200	12/01/2015 /	1		3.3
2	KN1-M	20/01/2015 - After Mixer - BPF1	20/01/2015 / 09/01/2015	1112001	94.2	
3	KN1-M	20/01/2015 - PK.1 - BPF1 PK#1 BIN#57A	20/01/2015 / 09/01/2015	111200111	88.8	
4	S6-F	20/01/2015 - After Mixer - BPF1 Batch1	20/01/2015 / 23/12/2014	1112001	2.41	
5	S6-F	20/01/2015 - After Mixer - BPF1 Batch2	20/01/2015 / 23/12/2014	1112001	0.232	
6	S6-F	20/01/2015 - After Mixer - BPF1 Batch3	20/01/2015 / 23/12/2014	1112001	0.104	
7	S6-F	20/01/2015 - After Mixer - BPF1 Batch4	20/01/2015 / 23/12/2014	1112001	0.042	
8	S6-F	20/01/2015 - After Mixer - BPF1 Batch5	20/01/2015 / 23/12/2014	1112001	0	
9	S6-F	20/01/2015 - PK.4 - BPF1 PK#4 Bin#71,pre-pellet after KK121NC(P)-KAN,pellet after 6567LPB-K28,packing after S6F	20/01/2015 / 23/12/2014	111200111	0.474	
10	S2L	20/01/2015 - After Mixer - BPF1 Batch1	20/01/2015 / 06/01/2015	1112001	0	
11	S2L	20/01/2015 - After Mixer - BPF1 Batch2	20/01/2015 / 06/01/2015	1112001	0	
12	S2L	20/01/2015 - PK.4 - BPF1 PK#4 Bin#77,pre-pellet after 6567LPB-K28,pellet after S6F,packing after S176	20/01/2015 / 06/01/2015	111200111	0	






To improve gut health and immune enhancing by - :



1. Feed hygiene by pelleting or high temperature treatment though expander or extruder




2. Good quality feed stuffs selection . Avoid mycotoxin contaminate .



3. Use feed additive for gut health improvement , good digestion , germ control ,good microflora enhancer :-

- Yeast , probiotic , acidifier , extracted plant , toxin binder , enzyme , essential oil .



4. International standard certification in feed manufacturing process

- ISO 9001 , ISO 14000
- GMP , HACCP
- EU standard

(Traceability , Uniformity , Stability)



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