

ค่า LOD และ LOQ รายการทดสอบทางเคมี

ลำดับที่	รายการทดสอบ	LOD	LOQ
1	Cadmium by AAS (Graphite Furnance)	0.003 ug/g	0.01 ug/g
2	Histamine by Fluorometric method		
	- Tuna	4 µg/g	5 ug/g
	- Fish sauce	10 ug/g	30 ug/g
3	Histamine by HPLC		
	- Tuna	0.30 ug/g	5 ug/g
	- Fish sauce	0.71 ug/g	5 ug/g
4	Total Mercury by Mercury Analyzer	0.01 ug/g	0.04 ug/g
5	Benzoic acid & Sorbic acid by HPLC		
	- Benzoic acid	5.00 ug/g	10.00 ug/g
	- Sorbic acid	10.00 ug/g	50.00 ug/g
6	Oxolinic acid by HPLC	0.003 ug/g	0.02 ug/g
7	Oxytetracycline by HPLC	0.01 ug/g	0.05 ug/g
8	Chloramphenicol by ELISA	0.01 ug/kg	0.03 ug/kg
9	Chloramphenicol by LC/MS/MS	0.03 ug/kg	0.05 ug/kg
10	Nitrofurantol metabolite by LC/MS/MS		
	- AOZ	0.03 ug/kg	0.10 ug/kg
	- AMOZ	0.02 ug/kg	0.10 ug/kg
	- AHD	0.03 ug/kg	0.10 ug/kg
	- SEM	0.03 ug/kg	0.10 ug/kg
11	Amnesic Shellfish Poisoning by HPLC	0.03 ug/g	0.26 ug/g
12	Paralytic Shellfish Poisoning (PSP) by HPLC		
	PT -GTX1,4	0.052 ug/g	0.179 ug/g
	-dcGTX 2,3	0.052 ug/g	0.161 ug/g
	- C1C2	0.010 ug/g	0.033 ug/g
	- dcNEO	0.052 ug/g	0.160 ug/g
	- NEO	0.068 ug/g	0.155 ug/g
	PX - STX	0.060 ug/g	0.194 ug/g
- dcGTX 2,3	0.054 ug/g	0.161 ug/g	

	- C1C2	0.011 ug/g	0.033 ug/g
	- dcSTX	0.039 ug/g	0.185 ug/g
	- GTX2,3	0.042 ug/g	0.155 ug/g
	- GTX 5	0.009 ug/g	0.032 ug/g
13	Nitroimidazole by LC/MS/MS		
	- Metronidazole (MNZ)	0.06 ug/kg	0.25 ug/kg
	- Hydroxy-metronidazole (MNZ-OH)	0.06 ug/kg	0.25 ug/kg
	- 2-Hydroxymethyl-1-methyl-5-nitroimidazole (HMMNI)	0.04 ug/kg	0.25 ug/kg
	- Ronidazole (RNZ)	0.05 ug/kg	0.25 ug/kg
	- Dimetridazole (DMZ)	0.03 ug/kg	0.25 ug/kg
	- Ipronidazole (IPZ)	0.03 ug/kg	0.25 ug/kg
	- Hydroxy-ipronidazole (IPZ-OH)	0.03 ug/kg	0.25 ug/kg
14	Fluoroquinolone by HPLC		
	- Difloxacin (DIF)	0.003 ug/g	0.01 ug/g
	- Enrofloxacin (ENRO)	0.003 ug/g	0.01 ug/g
	- Ciprofloxacin (CIP)	0.003 ug/g	0.01 ug/g
	- Norfloxacin (NOR)	0.003 ug/g	0.01 ug/g
	- Sarafloxacin (SARA)	0.003 ug/g	0.01 ug/g
	- Danofloxacin (DAN)	0.003 ug/g	0.01 ug/g
	- Flumequine (FLU)	0.002 ug/g	0.005 ug/g
15	Sulfonamides, Trimethoprim, Ormetoprim		
	Sulfadiazine (SDZ)	0.001 ug/g	0.02 ug/g
	Sulfathiazole (STZ)	0.002 ug/g	0.02 ug/g
	Sulfamerazine (SME)	0.002 ug/g	0.02 ug/g
	Sulfamonomethoxine (SMM)	0.002 ug/g	0.02 ug/g
	Sulfadimethoxine (SDM)	0.002 ug/g	0.02 ug/g
	Trimethoprim (TMP)	0.002 ug/g	0.02 ug/g

	Ormetoprim (OMP)	0.002 ug/g	0.02 ug/g
16	Malachite Green , Leuco Malachite Green, Crystal violet and Leuco Crystal violet		
	- Malachite Green	0.02 ug/kg	0.1 ug/kg
	- Leuco Malachite Green	0.02 ug/kg	0.1 ug/kg
	- Crystal violet	0.02 ug/kg	0.1 ug/kg
	- Leuco Crystal violet	0.01ug/kg	0.1 ug/kg
17	Sulfur dioxide (SO ₂) by Distillation Techniqe	5.00 ug/g	10 ug/g
18	Polyphosphate (P ₂ O ₅) by UV Spectrophotometer	0.05%	0.06%
19	TVB-N by Conway	10.5 mg/100g	14mg/100g
20	3-MCPD โดยเทคนิค GC-MS	0.005 ug/g	0.01 ug/g
21	Hormone		
	1) Stillbenes		
	Hexestrol	0.015 ug/kg	0.25 ug/kg
	Dienestrol	0.030 ug/kg	0.25 ug/kg
	Diethylstilbestrol	0.045 ug/kg	0.25 ug/kg
	2) Steroids		
Methyltestosterone	0.018 ug/kg	0.25 ug/kg	
	β-Estradiol	0.018 ug/kg	0.25 ug/kg
	α - Estradiol	0.030 ug/kg	0.25 ug/kg
	Testosterone	0.015 ug/kg	0.25 ug/kg
	Nortestosterone	0.021 ug/kg	0.25 ug/kg
22	Tetracycline		
	-Tetracycline (TTC)	0.01 ug/g	0.05 ug/g
	-Chlortetracycline (CTC)	0.01 ug/g	0.05 ug/g
23	Lipophilic Toxins (PTX, YTX, AZA) by OA	3 ug/kg	30 ug/kg

	DTX1	5 ug/kg	30 ug/kg
	DTX2	4 ug/kg	30 ug/kg
	PTX2	5 ug/kg	30 ug/kg
	AZA1	3 ug/kg	30 ug/kg
	AZA2	6 ug/kg	30 ug/kg
	AZA3	5 ug/kg	30 ug/kg
	SPX1	3 ug/kg	30 ug/kg
	GYM	5 ug/kg	30 ug/kg
	YTX	6 ug/kg	75 ug/kg
	hYTX	5 ug/kg	75 ug/kg
24	EDTA by HPLC	5.00 ug/kg	10.06 ug/kg
25	Lead by AAS (Graphite Furnance)	0.03 ug/g	0.05 ug/g
26	Avermectins by HPLC		
	- Abamectin (ABA)	0.39 ug/kg	2.5 ug/kg
	- Doramectin (DORA)	0.28 ug/kg	2.5 ug/kg
	- Emamectin (EMA)	0.58 ug/kg	5 ug/kg
	- Eprinomectin (EPRI)	0.87 ug/kg	5 ug/kg
	- Ivermectin (IVER)	0.97 ug/kg	5 ug/kg
	- Moxidectin (MOXI)	0.71 ug/kg	5 ug/kg
27	Toltrazuril by HPLC	10 ug/kg	20 ug/kg