

CHAPTER 3 RESULTS

The results of the Microbial Limit tests of the drugs were shown in data as follows

3.1 Chloramphenicol palmitate syrup, fifty five samples of about 30 - 60 ml in suitable containers were tested and shown as table 6.

table 6. Identification of total aerobic microbial count/ml of Chloramphenicol pelmitate syrup

Item No. Active Ingredient		Ide	0	Total aerobic			
	Gram baci llus	S .aur aus	F. seruginosa	E.coli	Salmonella spp	microbial count/ml	
1	Chloram.palm.	Ove	Que		Drus	-	3.18,500
2	Chloram.palm.	eve	-	Boo A			39
3	Chloram.palm.	Ove	-	And a	Burnet		93

			Ide	enti	fica	tion		· · ·
Item	No.	Active Ingredient	Gram bacillus	S.aureus	P. aeruginosa	E.coli	Salmonella spo	
4		Chloram.palm, Vit. B ₁₂ .	eve	-	-		-	43
5		Chloram.palm.			No	growt		
6		Chloram.palm.	eve	-	-	-		93
7		Chloram.palm.	eve	8009	Surv	anato		23
8		Chloram.palm.	eve	9238		NUMBER OF STREET		13,800
9		Chloram.palm.	eve		1000	eant	-	700
10		Chloram.palm	ove	-		uab	-	43
11		Chloram.palm.			No	growt	h	

the second second							
		Id	lent	ificat	tion		
tem N	o. Active Ingredient	Gram bacíllus	S. aureus	P. aeruginosa	E. coli	Salmonella spp	
12	Chloram.palm.			No gr	owth		No
13	Chloram.palm.			No gr	owth		-
14	Chloram.palm.	Ove	Hold	una		-	23
15	Chloram.palm.	⊕ve		August 1	guns	47.00	93
16	Chloram.palm.			No gr	woth		-
17	Chloram.palm.	⊕ve	-				. 43
18	Chloram.palm.	⊕ve	Rat	138	-	-	240
19	Chloram.palm.	er seren		No gro	owth		
		i		1	1		

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		Id	ent i f	icat:	ion		
Item No	Active Ingredient	Gram bacillus	Seaureus.	P.aeruginosa	E.coli	Salmonella gpp	Total aerobic microbial count/ml
20	Chloram 🖌 Vitamins		Nd	gro	wth		-
21	Chloram.palm	eve		1000			75
22	Chloram.palm.	Ove	-	-		-	43
23	Chloram.palm.		Nc	gro	wth		-
24	Chloram.palm.		Nc	gro	wth		8.59
25	Chloram.palm.	Ove			5223 		23
26	Chloram.palm.		Nc	gro	wth		-
27	Chloram. _P alm.	Qve	-				1,100
28	Chloram.palm.		NC	grov	wth	de er Mar - New Albur er er skalansteren	

		Id	enti	fica	tion		gannan dan daharan kura dan kura kura kura kura kura kura kura kura
Item No.	Active Ingredient	Gram bacillus	S.aureus	P.aeruginosa	E。coli	Salmonella spp	Total aerobic microbial count/ml
29	Chloram.palm.		Nc	o gro	owth		
30	Chloram.palm.	Qve	-	+	-	-	2,700
31	Chloram.palm.	e ve	-	8.8	-	untu	4,700
32	Chloram.palm.	Øve	-	-		-	28,000
33	Chloram.palm.	Øve	-		-	-	240
34	Chloram.palm.	eve		+		Ţ.	282,500
35	Chloram.palm.		No	o g r i	wth		-
36	Chloram.Palm.		N	o gr	owth		-
37	Chloram.palm.	eve	-				110
38	Chloram.palm. Vits & minerals		PA	o gro	pwth	And a second program with the second program in the second s	-

		Id	enti	ificat	tion		
Item No.	Acitve Ingredient	Gram bacillus	S.aureus	P.aeruginosa	E.coli	Salmonella spp	Total aerobic microbial count/ml
39	Chloram.palm.	Qve	agea	_	-	5.30	300,000
40	Chloram.palm.	⊖v e ⊕ve		-	ana		83,000
41	Chloram.Palm. + vits + minerals			No gr	owtl	C	-
42	Chloram.jalm. Dihydrostreptømycin sulfate kaolin			No gr	rowtł		-
43	Chloram.palm.	Ove	-	-			43
44	Chloram.palm.	Ove		-	-		23
45	Chloram.palm.	Qve	-		e		150
46	Chloram.palm.	Ove Ove	-	_	-	-	150
47	Chloram.palm.			No gr	owtl	n	-

		Ide	enti	fica	tion		
Item No ·	Active Ingredient	Gram bacillus	S.aureus	P.aeruginosa	E.coli	Salmonella spp	Total aerobic microbial count/ml
48	Chloram.palm.	Øve Ove		-	408		240
49	Chloram.palm.	eve			****	-	1,100
50	Chloram.palm.	eve	and a		right	-	38,500
51	Chloram.palm.	eve	-				93
52	Chloram.palm.	eve	6858	+			1,100
53	Chloram.palm.	eve	illei				43
54	Chloram.p̀alm. + Vits & minerals	ove	-		dana	without	50,500
55	Chloram.palm.	ove		-	-		23

3.2 The results of Microbial Limit tests, fourty four samples of gel antacid containing from 120 ml up to 300 per package were shown in table 7 and of twenty three samples of tablet antacid were shown in table 8

Table 7. Identification and Total aerobic microbial count/ml of Antacids

		1			Contractor Contractor		and a standard and a
		Ide	enti	fica	tion	9	Total aerobic
Item No.	tem No. Active Ingredient	Gram bacillus	S . aur eus	P.aeruginosa	E.coli.	Salmonella, spr.	microbial
1.	Mag.trisil. Alum hydrox.	Ove	-	-	_	-	1,100
2.	Alum.hydrox.Gel Mag.hydrox.	eve	818	-		-	45,000
3.	Alum.Gel	eve		-	-	_	150
4.	Dried. Alum.hydrox.Gel Mag.hydrox.	Qve	_	-			43 ,5 00

		Iá	enti	fica	ntion		Total aerobic
Item No.	Active Ingredient	Gran bacillus	Searcus	P. acruginosa	E. COL	Salmonella spp	microbial count/ml
5.	Alum. hydrox. Mag. hydrox.		L. State and Sta	o gr	owth		
6.	Dried Alum.hydrox. Mag.hydrox.	Ove Ove	-	19 mary	-		134,500
7.	Alum. hydrox.Gel. Mag. trisil.	eve		-		-	56,000
8.	Alum. hydrox.Gel.	0ve:	344		-	-	- 59,000
9.	Alum.hydrox. Mag.hydrox.		N	o gr	owth		
10.	Alum.Oxide. Hag.hydrox.	100	Ŋ	o gr	owth		-
11.	Alum.hydrox.		N	o gr	owch		-
12.	-Dried.Alun.hydrox,Gel Mag. trisil.	Ove		-	-	* 800 * 1	14,150
13.	Alum. Cxide.	eve.			-		150

	Iten No. Active Ingredient	Ide	enti	ficat	1	Total aerobic	
Iten No.		Gram bacillus	S. Turreus	F. acructiosa	Lecoli	Salmonellasm	Fotal aeropic nicrobial count/nl
14.	Dried Alum.hydrox.Gel	Qve	•••			-	80,000
15.	Alun.hydrox.Gel Alun. Oxide.		No	grov	th		-
16.	Alun, hydrox.Gel Kag, hydrox,	eve	_	1	unn		23
17.	Alun.hydrox.Gel		No	grow	/th	r Barlan	-
18.	Alum.hydrox.Gel Mag.trisil.	eve	-	enti			4,050
19.	Dried.Alum.hydrox.Gel Nag.hydrox.	eve	-			-	240
20.	Alum.hydrox. Nag.hydrox. Nag.trisil.	ove		4 100	Just .		23
	Alum.hydrox.		No	grow	th		
22.	Alun.hydrox.Gel	Ove	-		_ 1	ang	37,500
23.	Alum.hydrox. Gel	Qve	-	-	-	900	8,850

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			lenti	fica	atior	1	
Item N	o, Active Ingredient	Gram bacillus	Seaureus	P. aeruginosa	Z. COLI	Salficnolla apr	Total aerobic microbial count/ml
24.	Alum.Oxide Hag.hydrox.	eve	-	eng		-	23
25.	Dried.Alum.hydrox.Gel Mag.trisil.	eve		-			139,000
26.	Alum.hydrox.Gel		Пo	gro	wth		-
27.	Mag.hydrox. Alum.hydrox.Gel		Цр	gro	wth		1
28.	Alum.hydrox.Gel		No	gro	wth		. The second sec
29.	Alum.hydrox.Gel Mag.hydrox.		NO	gro	vth		-
30.	77 <u></u> 77	Ove				-	23
31.	Alum.hydrox.Gel	0ve	mm	-	-	-	43
32.	Alum.hydrox.Gel Mag. hydrox.	eve					22,800
33.	Alum.Oxide. Nag.hydrox.	Ove		-			1,100

		Ido	entif	icati	on		Total acrobic	
Item No.		Gram bacillus	S. Jureus	P.seruginosa	Eecli	Salnonella spo	microbial count/ml.	
34	Alum.hydrox. Gel Mag.Hydrox.	Ovo	en i e eren en e	Bor of	an-1		9,150	
35	Dried Alum.hydrox. Gel	Gve	the state of the s		Bard Street	and a second sec	354,000	
56	Alum.hydrex. Mag.hydrox.	Ove	-	+	Brind	and a second	43,500	
37	Dried Alum.hydrox.Gel	Ove	-	hered .	Acres	-	141,000	
38	Alum.hydrox. Gel Bismuth Carb. Mag.Trisil	Ģive		+	900. V	6	34,000	
39	Dried Alum. hydrox.Gel Mag Trisil.	Ove	pice 8	4	8108	Bertift	1,100	
40	Mag.Hydrox. Alum.hydrox.		No	growtl	1		No.	
41	Mag.Trisil. Alum.hydrox.	Ovo	gang	+	anne.	016-1 1	261,000	
42	Alum hydrox. Nag hydrox.		No	g rowtl	1			
43	Alum hydrox. Nag hydrox.	-	No	growtł	1			
44	Dried.Ahum.hydrox. Gel Mag.hydrox.	Ove Ove		BRid	and.r	E operation of the second seco	93	

		Ide	ntii	ficat	ion		Total
Item No.	Active Ingredient	Gram bacillus	s aureus.	P.aeruginosa	E.coli.	Salmonella	aerobic microbial count/g
45	Aluminum Oxid e	Qve		-	-	-	7
46	Mag .Trisil . Alum.hydrox.		P	lo gr	owth		-
47	Alum.hydrox. Gel		I	lo gr	owth		_
48	Alum.hydrox. Gel Mag.Hydrox.	Ove	-	Profile	-	-	460
49	Alum.hydrox.		I	No gr	owth		-
50	Alum.hydrox.	Ove	-	-	-	-	43
51	Alum.hydrox. Mag.Hydrox.	Ove		-		-	202,500
52	Alum.bydrox.			No g r	owth		_
53	Mag.Hydrox. Alum.hydrox.	-		No gr	owth		
54	Alum.hydrox. Mag.Hydrox.				owth		
55	Dried Alum.hydrox Gel		Ţ	No Si	owth		60¥
56	Alum.hydrox. Mag.Hydrox.	Ove	-		-	-	43

Table 8.Identification and total aerobic microbial count/g of Antacids.

		Ide	nti	ficat	ion		Total
Item No.	Active-Ingredient	Gram bacillus	S.auréus	P.aeruginosa	E.coli	Salmonella sp	aerobic microbial count /g.
57	Alum.hydrox. Gel			No	grow	th	-
58	Dried.Alum.hydrox. Gel Mag.Trisil	0 ve	-				113,000
59	Dried Alum. hydrox. Gel	Øve	-	Ginte			23
60	Alum, hydrox, Gel			No gr	owth		
61	Alum. hydrox. Gel			No gr	owth		-
62	Alum. hydrox. Gel	Ove	-			-	343,500
63	Alum.hydrox. Gel	ove	~8	1 100	-	-	44,000
64	Alum. hydrox. Gel	Ove			-	-	43
65	Alum. hydrox. Gel			No gr	owth		-
66	Alum. hydrox. Gel	Ð	-		-		240
67	Alum. hydrox. Gel	eve	-	-	1	-	4

3.3 Antitussis & Expectorants

Most of the pharmaceutical preparations of anti-cough were in the form of mixture; even some dosage forms were in tablet. The package of mixture were usually from 30-120 ml in suitable containers.

The results of fourty seven tested samples were recorded in table 9, and twenty six samples of tablet form were shown in table 10.

Table 9 Identification and to total sembic microbial count/ml of Antitussis and Expectorants.

		Ide	entif	icat	ion		Total aerobic
Item No.	Active Ingredient	Gram bacillus	S .tur eus	F .coruginosa	I.coli	Scinonella spp	microbial count/ml.
1	Glyceryl Guaiacolate Amm.Chloride Phenylpropanolami ne HCl	⊕ve	garden.	56.06	and a f		20
2	Ephedrine HCl Terpin Hydrate Dextromethorphan HBr		gino	Break	1	ana	1,100
3	Chlorphen.Maleate Amm.Chloride Ephedrine HCl	€ve ⊕ve	_	and the second sec		-	6
4	Spt.Amm. Arom Sod.Chloride		No	sro.	wth		4
5	Dextromethorphan IIBr Terpin Hydrate Glyceryl Guaiacolate	Qve			Billing and a second		240

		Ide	ntif	icati	on		Total
Itom N	Activo Ingredient	Gran Docillus	S "curreus	P.acruginosa	E. Coli.	Salmonella spp	acrobic microbial count/nl.
6	Menthol Cryst Lig.Tolu.Conc. Tr.Scillac. Tr.Camphor Co. Tr.Bonzoin Co.	Ove				Start Control of Contr	12
7	KI Amm.Chloride Fot.Guaiacolato		No	Erowt	h		BANA A
8.	Tr. Ipecac Spt. camphor Amm.Chloride		No	growt	h		an an ann an
9	Dextromethorphan Ephedrine HCl Amm.Chloride		Pen	icill	ium s	PP.	3
10	Glyceryl Guaiacolate Amm.Chloride Fhenylpropanolamine	Ove Ove	Procing		86.3	60-1	43
11	Dextromethorphan Diphenhydramine Amm.Chloride		No	Erowt	h		
22	Ephedrine HCl Terpin Hydrate Dextromethorphan		No	crowt.	n		

		Ide	enti	ficati	on	0.	Total aerobic
Itom No.	tom No. Active Ingredients	Gram bacillus	S earreus	r.aeruginosa	E.coli.	Salmonella spp	microbial count/ml
13	Amm.Chloride Ephedrine HCl		No	growt	h	nerin an dan ', a da Marin Inda da Tana ' indana ing ang	
14	Ephedrine HCl Amm.Chloride Sod.Citrate		No	grown	h		
15	Amm.Chloride Ephedrine HCl Sod.Citrate		No	Srowt.	h		
16	Syr.Tolu. Acid acetic acid Amm.Chloride		No	rowt	h.		
17	Amm.Chloride Sod.Citrate		No	growt	h		
18	Dextromethorphan HBr Ephedrine HCl Terpin Hydrate	Ove			and the second s		4
19	Dextromethorphan Amm.Chloride Ephedrine HCl		No	growtl	n		-
20	Pot Guaiacol Sulfonate Amm Chloride		No	crowtl	1		-
21	Diphenhydramine HCl Dextromethorphan Amm.Chloride	A A A	No	Frowth	1		-

		Ider	tif:	icatio	on	d	Total aerobic
Item No.	Active Ingredient	Gram bacillus	S eurous	P. aeruginosa	E.coli.	Salmonella spi	microbial count
22	N-Cyclohexyl, (-N- methyl -2- amino -3,5 dibromobenz ammonium Chloride Pot. Guaiacolate	yl)	No	grow	th		
23	Diphenhydramine Glyceryl Guaiacd2te Sod.Cit. Phenylpropanolamine HCl		No	growt	h		
24	Amm. Chloride Sod.Cit. Ephedrine HCl		No	growt	h		
25	Dextromethorphan HBr Ipecacuanha Liquid Extract.		No	grwot	h		
26	Amm.Chloride Ephedrine HCl Fot.Guaiacol Sulfate	Ove	4		Same	-	4
27	Dextromethorphan "Br Ephedrine HCl Terping Hydrate	Ove	-	-	-	-	1,100
28	Amm.Chloride Sod.Cit.	-	No	growt	h		
29	N-Acctyl-P-amino phenol Fhenylephrine HCl	Ove		9400	-		460

		Ide	ntif	icatio	n		Total aerobic
Item No .	NO. Active Ingredient	Gram bacillus	S aunus	P.acruginosa	E.coli	Salmonella spp.	microbial count/ml
30	Diphenhydramine HCl Amm.Chloride Sod.Citrate		No	growth			-
31	Dextromethorphan HBr Sod.Cit.	Ove	-	-	-		4
32	Menthol (Cryst) lig.Tolus Tr.Scillae Tr.Camphor	Ove		-	4	2 mm	1,100
33	Calc.Cresol Sulfonate Tr. anis.	Ove	amer	Bind .	-	-	93
34	Doxtromothorphan HBr Amm.Chlorido Ephedrime HCl	-ve	-		-	-	1,500
35	Silentium Decamium Cetamium Sod.Cit	Ove	-			-	3
36	Glyceryl Guaiacolate		No	growth			
37	Camphorated. Opium Antimony Pot.Tartrate.		No	growth	-		
38	Amm.Chloride Phonylephrine HCl Sod.Cit.	Ove	ana	_	-	-	4

	1 1 1 1 명령은 일을	Ide	ntif	icatio	011		Total acrobic	
Item No.	em No. Active Ingredients	Gram bacillus	S. Juraus	P.aeruginosa	E.coli.	Salmonella gpp	microbial count/ml	
39	Amm.Chloride Ephedrine HCl Tr.Ipecac.		No	grwotl	1		-	
40	Amm.Chloride Sod.Cit. Ephedrine HCl	eve	grant 1	-	800		43	
41	Ephedrine HCl Terpin Hydrate Dextromethorphan HBr	ove Ove		-			7	
42	Dextromethorphan HBr Ephedrine HCl Pot Guaiacol	Qve	3648	-	goring		39	
43	Dextromethorphan HBr Ephedrine HCl Terpin Hydrate		N	o groi	vth		-	
44	Dextromethorphan HBr PhenyLephrine . HCl	Ove	Bri	-	-	1	4	
45	Pot Guaiacolsulfonate Amm Chloride	eve	-	-	8.64	P	24,150	
46	Dextromethorphan HBr Amm.Chloride Ephedrine HCl		No	growt	h		Ers.	
47	Ephedrine HCl Dextromethorphan HBr Amm.Chloride Sod.Cit.	O ve	-				. 4	

	ANCICUSSIS						
Iten No.	Active Ingredient	Gran bacillus h	aurous S.aurous	P. zeruginosa	L.coli	Galmonella spp.	Total aerobic nicrobial count/g
48	Dextromethorphan HBr Ephedrine HCl Terpin Hydrate	0vo 0vc	-	Bas			240
49	Dextromethorphan HBr		Ν¢	Grq	wth		and a set
50	Dextromethorphan HBr	Φv¢	12 12	578	Build	44-40 4640	460
51	Dextromethorphan HBr	9ve	area a	138	Fr-m	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	93
52	Dextromethorphan HCl		Ne	gre	wth		6.3
53	Dextromethorphan HBr Terpin Hydrate Glyceryl Guaiacolate	eve	1-1 1	gers	£10.		9
54	Dextromethorphan H3r Guaiacol Carb. Terpin Hydrate		11) T	wth		Red.
55	Dextromethorphan	Qv :	jariti		87°2.	1.40	460

Table 10. Identification and total aerobic microbial count/g of Antitussis

		Ta	onti	fica	tion		
ltem No.	Active Ingredient.	Gram bacillus	S. Jureus	- aeruCinosa	• C O] .	Salmonella spp	Total aerobic microbial count/g
56	Dextromethorphan HBr Guaiacol Carb. Terpin Hydrate	Øve		Pro	5.	ena	93
57	Dextromethorphan HBr	Gve		1-3 -	643		460
58	Dextromethorphan HBr Ephedrine HCl Terpin: Hydrate	Ove		-		*28	460
59	Dextromethorphan HBr Phenylpropanolamine I Terpin Hydrate	Ove	F			1.00	7
60	Dextronethorphan	Gve	7.0	una	-		1,100
61	Sod.Ditertiary butylnaphthalene monosulfonate	⊕ve	613		-		460
62	Chlorpheniranine naleate Dextromethorphan HBr	Øve Øve		-	919 1	8-28	2,400
63	Dextromethorphan	Ove			-	8-9	43
64	Dextromethorphan HBr	0vo			rvill	r 4	460

			leni	tific	ation		
Iten No.	Active Ingredient	Grem bacillus	S.aureus	P. aeruginosa	Z.C. Li	Galmonella Sp	Total acrobic microbial coun %g
65	Dextromathorphan HBr Guaiacol Carb. Terpin Hydrate	Ove	8-18		-	**	240
66	Dextromethorphan HBr Ephedrine HCl Terpin Hydrate			No a	rowth	×	and a
67	Dextromethorphan HBr			No (rowth		-
68	Dextromethorphan HBr Ephedrine HCl Terpin · Hydrate	Gve				-	23,500
69	Dextromethorphen HBr	Qve					240
70	Glyceryl Guaiacolate Theophylline Ephedrine ECl	Gve				-	4:60
71	Dextromethorphan HBr	ove	-		-	-	16
72	Dextromethorphan HBr Guaiacol Carb.	Qve Qve		-	-		1,100
73	Dextromethorphan HBr Ephedrine HCl Terpin Hydrate	Ove	-	and -	-	-	4,900

3.4 Thai-mative drugs

The finished product of Thai - hativedrugs from various dispensaries were in powder and compressed forms. The preparatory method was dried and pulverized orude drug into powder. The results were indicated in table 11

Table 11. Identification and total aerobic microbial count/g of Thai-native drugs

			Id	lent	ifica	ation	Q.	· · · ·
Item No.	Dosage form	Active Ingredient (Thai title)	Gram bacillus	S. auteus	P.aeruginosa	E.coli.	Salmonella spp	Total aerobi microbial count/g
1	Powder	โกฏหัวบั้ว, การะบูน พิมเสน	9ve 9ve	antina di second				107,000
2	Powder	บรเพ็ก, มิงแห้ง	9ve 9ve	40, 500	ign.3	-		1,100
3	Powder	พริกไทยคำ, คีปลี เกลือสินเธาว์	Øve	-	Base of Contract o	-	6400	50,000
4	Powder	แงชะ เอม พริกไทยคำ	Qve	-	-	-		1,100
5	Powder	คีปลี, ชิงแห้ง ผิวมะกรูค	Qve	1		_	-	596,000
6	Powder	กระคุกเสือ, คอกจันทร์ อบเซยญวน	Qve	-				60,800

			Id	ent	ifica	atior		
Item No ∙	Dosage form	Acti v e Ingredient (Thai title)	Gram bacillus	S.aureus	P.aeruginosa	E.coli	Salmonella spp.	Total aerobic microbial count/g
7	Powder	ลูกเมตุรกาน นำประสานทองสตุ	⊕ve . ⊖ve	-		-	-	16,360
8	Powder	เปราะห อม ,ฝางเ สน จันทร์แคง	Qve	BRE 5	-	-	-	1,100
9	Powder	nn	eve eve			-		5,800
10	Powder	พิมเสน ,โกฏกระดูก กานพลู	eve eve	-	-	-	-	48,500
11	Powder	กระดูกู้เสือ ออกจันทร์ หางไหลแดง	eve Gve	-			1	184,000
12	Powder	ชะเอมเทศ คอกจันทร	Qve	atos		-	ana	22,500
13	Powder	ขึ้งแหง ลูกราชคัก ไปลือกสมจีน	eve					166,500
14	Powder	ใบชุมเห็ดไทย ใบฝักกระโฉม ใบพิมเสน	Qve	-		-		310,000
15	Powder	ลูกกระกอม จันทร์เทศ	Qve	-	-	-	-	101,000
16	Powder	ะทียนกำ วานนำ ก็ปลี	Qve	-	-	-	-	761,000
17	Powder	โกฏเซียง อบเซยเทศ	Qve		-	-	-	47,500
18	Powder	พรีกไทยคำ บรมพืด เมล็กฝาย	Qve	-		-	-	126,000

Ζ.

			Id	enti	fica	tion		
Item No.	Dosage form	Active Ingredien (Thai title)	Gram bacillus	S.aureus	P. aeruginosa	E.coli	Salmon i lla spp	Total aerobic microbial count/g
19	Powder	ข่า,ไพล,นิวมะกรูด	eve				-	590,000
20	Powder	กฤษณาเนื้อ ไม้. เกษร– ทั้ง 5 ,ลูกกระทาน	Ove	-	anti	-		213,500
21	Powder	โกฏเซียง,โสมเกาหลี	ove	-		-		27,650
22	Powder	ชะเอมเทศ,พิมเสน	Ove	au a	-	-	-	75,500
23	Powder	ระยอม, ยากำ ลูณสมจุเทศ	ove	-	1020			479,500
24	Powder	ใบพิมเสน,นักกระโฉม	eve eve	1	805	-	-	164,000
25	Powder	ใบพิมเสน,ใบสันพร้า – หอม	Ove	-				231,500
26	Powder	กระคญง เหลือม ลูกคำคือวาย	Ove	-	-	1	-	460
27	Powder	พริกไทยรอน วานน้ำ, ชิงู	Ove	-			-	439,000
28	Powder	โกฏเซียง ลูกเรว,โกฏหัวบัว	ove	-		-	weii .	198,000
29	Powder	ว่านน้ำ ดีปลี กานพลู	Ove	-		-	-	167,000
30	Powder	ลูกซัก, จันทร์แคง ชะ เอม	Ove		-	-	-	237,000
31	Powder	· ก็ปลี, ชิงแหง วานน้ำ	Ove				_	181,000

	-		I	denti	fica	tion		Total aerobic
Item No .	Dosage form	Active Ingredient (Thai title)	Gram bacillus	S earneas	P.aeruginosc	E.coli.	Salmonella spp.	microbial count/g
32	Paste	ระยอม, ยาคำ เปลือกฝางเสน	Ove		Baterie -	-	1	141,000
33	(T:2)	โกฏทั้ง 5, ระยอม เปลือกประคงขาว	Ove	en a	ga	-	800	501,500
34	17	ขึ้งแหง, เปลือกมะกา	Ove	Que al	Bala Si	5005	post	83,500
35	ŢŦ	โสมเก ว หลี เปลือกสมจีน	Gve	Bot			B-112	1,100
36	17	โกฏสอ, ชะเอมเทศ	Ove • ve	Pros	Breat	100	Band	192,500
37	11	ใบสันพราหาม ดอกจันทร์, ขึง	Ove Ove	Bidu?	putty	Binati	-	71,000
38	11	โกฎทั้ง 5 , ยาคำ		No	grow	th		
39	17	ระยอม, ยาคำ	eve	pan.	gine (A	Renor	Care of	88,500
40	12	ระยอม, แกนชี้เหล็ก บรเพ็ก	Ove					201,500
41	ti	โุกฏทั้ง 5, พริกไทย- รอน	ove	guni	10.4	9-00	-	155,000
42	Ť	ขิง, ไพลแห้ง, คีปลี บรเพ็ด	Ove				Ball	55,500

	1		Ide	ntif	icat	ion		
Item No.	Dosage form	Active Indredients (Thai Title)	Gram bacillus	s, aureus	P.aeruginosa	E.Celi	Salmon o lla spp	Total aerobi microbial count/g
43	Tab.	นงชะเอม,เปลือกพิศนาค บรเพ็ค	Qve	xugi t	-		-	213,500
44	Tab.	ใบส้มพร้าหอม, อบ เชย	Ove	BURT .	-		-	26,000
45	Tab,	นงชะเอม,บรเฟ็ก	Qve		+	-	THEM	57,000
46	Tab.	เปลือกพิศนาต, เทียนทั้ง5	@ve		+	-		242,000
47	Tab.	อบ เชยญวน ผฐชะ เอม		ħ	lo gr	owth		alare a
48	Tab.	ระบอม, คีปลี	Qve	-			and a	185,000
49	Tab.	โกฏสอ,โกฏน้ำเต้า ระยอม	eve	-	6 mm			146,000
50	Tab.	มิมเสน ลูกจันทร์, คอกพิกุล	ove	gang	8018		-	372,000
51	Tab.	ผงชะเอม,อบเซยญวน	Qve	-			-	460
52	Tab.	โกฏทั้ง 5,พิมเสน อบเซยญวน	ove			-		107,500
53	Tab,	คอกจันทร์,ลูกกระวาน พริกไทย	ove	-			-	246,500
54	Tab.	โกฎเขมา,ชะเอมเทศ 	Øve	-		-	-	245,000

			Id	lent	ifica	ation	l o	
Item No.	Dosage form	Active Ingredient (Thai title)	Gram bacillus	S.aureus	P.aeruginosa	E。coli	Salmonella spp	Total aerobic microbial count/g
55	Tab.	โกฏทั้ง 5, ขิงแห้ง, ขว	Qve		-		055	364,500
56	Tab.	โกฏกระดูก, โกฏสอ โกฏน้ำเต ้ า	eve	41 Mag				142,000
57	Tab.	บรเพ็ด เปลือกพิศนาค	⊕ve ⊖ve	QN NEW	12.65	-	comi	190,500
58	Tab.	อบเซย, โกฎสอ	eve	en ge			Britty	138,000
59	Tab.	โกฎทั้ง 5, พิศนาค	Ove				611	298,500
60	Tab.	บรเพ็ค, ไพล, อบเชยญวน	ev e			1000		24,000
61	Tab.	กานพลู, เปลือกตะโ กนา บรเพ็ค		and a		BAS		48,500
62	Tab.	ระยอม, เจตพังดี	ove		-	-	-	71,500
63	Tab.	ยาคำ, โกฎทั้ง 5		I	No g	owth		and generative a statement of a statement of the order of the statement of t
64	Tab.	โกฏกระดูก, ยาคำ, สมอไทย	Ove	-		_		86,000
65	Tab	โกฎเขม ผู้กฎกระดูก เมล็ดงาแห่ง	ove	mark	-	NUM		11,000
66	Tab.	โกฏสอ, โกฏเขมา, ยาคำ, ใบกระพังโหม	ove		-		-	117,000

Percentage Contamination of

non-pathogenic microorganisms from

total tested samples.

Table 12

1

Chloramphehicol palmitate syrup

Total no . of samples	Results	No.of growth	% tota
	no growth	18	
55	growth $\langle 10^2$	17	63.64
	10^{2}	7	
	" > 10 ³ -	5	
	" > 10 ⁴	5	3636
	" > 10 ⁵	3	

Table 13 Aluminum hydroxide Gel (Suspension Antacids)

Results	No. of growth	% tatal
no growth growth < 10 ²		45.50
10^{2} 10^{3} 10^{4} 10^{5}	3 6 10 5	54,50
	no growth growth $< 10^2$ " > 10^2 " > 10^2 " > 10^2 " > 10^4	no growth no growth 14 14 14 6 14 6 1 1 1 6 1 1 1 1 1 1 1 1

Table 14 Dried Aluminum hydroxide Gel Tablets (Tablet Antacids)

Cotal no.	1	Resu	lts	No.of	growth	% total
of samples			-			
	no gro	owth		1	1	an i a constituin piana anna an a
23	growtl			6	>	73.90
	11	>	102	2	1	
	99	>	10 ³	-		26.10
	99	>	104	1		20.010
	**	>	105	3	annoninality a	

Table 15 Antitussis and Expectorant syrup.

Total no. of samples	Results	No of growth % total
	no growth	24 } 85.11
47	growth $\leq 10^2$	16
	" > 10 ²	2
	" > 10 ³	4 14.89
	" > 10 ⁴	1
	" > 10 ⁵	

Table 16 Antitassis and Expectorant tablets.

Total no. of sample:	Results	No.of growth	% to ta
	no growth	5	40.45
26	growth ζ 10 ²	7	46.15
	" > 10^2	9	
	" > 10^3	4	53,85
	" > 10 ⁴	1	
	" > 10 ⁵	-]	

Table 17 Thai - native drugs

Total No.	Resul	lts	No.of gr	owth % total
66	No growt growth "		3 - 2 5 19 37	4.50

- < = less than
 - > greater than