
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 321

LIME JUICE

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OTTAWA, September 1, 1915.

J. U. VINCENT, Esq.,
Deputy Minister, Inland Revenue.

SIR,—I beg to hand you herewith a report upon eighty-three (83) samples purchased as Lime Juice by our inspectors in April, May and June of this year. This inspection was undertaken in consequence of complaints to the effect that this article was extensively adulterated, in the sense of being much below the legal standards for Lime Juice.

By Order in Council of 28th January last, the following standards were legalized, as under Section 26 of the Adultration Act.

Lime Juice, Lime Fruit Juice, is the freshly expressed juice of the ripe fruit of Citrus (various species; and has a specific gravity at 20° C. of not less than 1.030 and not greater than 1.040, and contains not less than eight (8) per cent of solids and not less than seven (7) per cent of free citric acid. Its optical activity (rotatory power to polarized light) lies between the limits of +0.5° and -1.0° of the Soleil-Ventzke scale, when observed in a column of 200 mm. length at 20° C.

These standards only differ from those established by Order in Council of 11th February, 1911, in the following particulars:—

1. Recognizes various species of Citrus instead of *C. limetta* only, as sources.
2. Fixes 8 per cent solids instead of 10 per cent as in the earlier standards.
3. An optical activity between the limits of +0.5° and -1.0° is recognized,

instead of +0.5° to -0.5° as in the Order in Council of 1911.

These changes have the effect of making the standards less exacting than formerly, in consequence of which any failures to meet existing standards are less excusable.

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The results of this inspection may be summarized as follows:—

Found genuine	40	samples.
Found nearly genuine, and passed as acceptable ..	14	"
Found not sold as Lime Juice	2	"
Found adulterated, as departing notably from the legal standard	27	"
Total	83	"

It will be noted that 43 samples contain preservatives, benzoic, salicylic or sulphurous acids. In none of these cases is any statement declaring the presence of a preservative, made upon the label. This is in violation of Order in Council dated 4th April, 1914, (published as Circular G. 1111) which requires that, preservatives of the class which includes those above named, shall be declared on the label, when present. This Order in Council further limits the amount of preservative which may be present, and requires that not more than one kind of preservative shall be added to any one kind of food, or to any mixture of two or more kinds of food.

The limits fixed as regards Lime Juice are as follows:—

Benzoic acid:	1 part in 1,000 parts.
Salicylic acid:	1 part in 5,000 parts.
Sulphurous acid	1 part in 10,000 parts.

Three samples (55266, 66730 and 66738) violate these limits by containing more than one preservative each. Two samples (52160 and 61835) violate these limits by containing more than the permitted amount of the preservative present.

In most cases, the amount of preservative present is well within the prescribed limit, and in many cases, is properly described as a trace only, and therefore negligible.

On account of the long established usage of preservative in this article and the comparatively recent enactment of standards in regard to preservatives, I would recommend that samples otherwise genuine, be treated leniently so far as declaration is concerned; but with the understanding that, after this notification and warning all violations of departmental requirements will be strictly dealt with.

I beg to recommend publication of this report as Bulletin No. 321.

I have the honour to be, Sir,
Your obedient servant,

A. MCGILL,
Chief Analyst.

BULLETIN No. 321—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF NOVA SCOTIA—

1915.							
June 25	Lime Juice...	54061	Wentzell s, Ltd., Halifax, N.S.	3 bts.	75	Howard M'fg. Co., Halifax.	Mrs.
" 25	"	54062	Knoche & Nicolle, Halifax, N.S.	3 "	75	Francis Drake, New Glasgow.	A. & W. Smith Co., Halifax.
" 25	"	54063	W. P. Meyer, Halifax, N.S.	3 "	45	E. S. Tracey M'fg. Co., Halifax.	Mfr
July 1	"	54064	E. P. Theriault, Weymouth.	3 "	75	Nat. Drug and Chem. Co., St. John, N.B.	"
" 13	"	54065	B. O. Bishop, Dartmouth.	3 "	45	Howard M'fg. Co., Halifax.	Wentzell's Ltd., Halifax.

DISTRICT OF NOVA SCOTIA—

June 4	Lime Juice...	65860	A. J. Roop, New Glasgow.	3 bts.	75	L. Rose & Co., London, Eng.	.....
" 4	"	65861	A. A. McDonald, New-Glasgow.	3 "	45	Nat. Drug Co., Halifax.	.....

DISTRICT OF PRINCE EDWARD ISLAND—

Apr. 30	Lime Juice...	60180	J. G. Passmore, Charlottetown.	3 bts.	36	Nat. Drug and Chem. Co., Halifax.	.....
" 30	"	60181	" " "	3 "	60	.....	R. E. Mutch & Co., Charlottetown.
May 7	"	60182	W. W. Walker, Charlottetown.	3 "	75	L. Rose & Co., London, Eng.	.....

DISTRICT OF NEW BRUNSWICK—

May 10	Lime Juice...	66086	Nat. Drug and Chem. Co., St. John.	3 "	45	.....	Nat. Drug and Chem. Co., Montreal.
" 13	"	66087	The Can. Drug Co., Ltd., St. John.	3 "	25	.....	G. P. Mitchell & Son, Halifax.
" 17	"	66088	Baird & Pe ers, St. John.	3 "	100	.....	Nat. Drug and Chem. Co., St. John.
" 18	"	66089	G. E. Barbour Co., Ltd., St. John.	3 "	30	Vendors
" 26	"	66090	The Baird Co., Ltd., Woodstock.	3 "	40	"

LIME JU

Inspector's E
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expression
Opinion

R. J. WAU

Gold Medal I

W. A. PET

WM. A. W

JOHN C. F

LIME JUICE.

Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.				Found.	N ^o . of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. gr. of Juice.	Total Solids.	Acidity as Citric Acid.	Rotation (2 dm.)			

R. J. WAUGH, INSPECTOR.

		p. c.	p. c.				
.....	1'0449	8'58	5'21 + 0'2	Trace	salicylic acid.	54061	Citric acid, below standard. Adulterated.
.....	1'0278	6'74	6'02 + 1'0	.....	.....	54062	" " "
Gold Medal Brand..	1'0223	5'32	5'11 + 0'5	Salicylic acid.	.....	54063	" " "
.....	1'0405	9'83	8'89 - 0'1	"	.....	54064	Genuine, with a preservative.
.....	1'0305	7'43	7'00 + 0'2	Trace	salicylic acid.	54065	Solids slightly low. Pass.

W. A. PETIPAS, TEMPORARY INSPECTOR.

.....	1'0357	8'48	8'15 - 0'3	.....	.....	65860	Genuine.
.....	1'0379	9'10	8'43 - 0'4	Trace	salicylic acid.	65861	"

WM. A. WEEKS, INSPECTOR.

.....	1'0383	9'14	8'47 - 0'6	Trace	salicylic acid.	60180	Genuine.
.....	1'0382	9'12	8'54 - 0'4	"	.....	60181	"
.....	1'0357	8'50	8'12 - 0'3	.....	.....	60182	"

JOHN C. FERGUSON, INSPECTOR.

.....	1'0359	8'64	8'12 - 0'4	.....	.....	66086	Genuine.
.....	1'0531	12'12	10'18 + 0'3	Salicylic acid.	.....	66087	" exceptional strength.
.....	1'0350	8'38	8'01 - 0'2	.....	.....	66088	"
.....	1'0397	9'36	8'71 - 0'4	Trace	salicylic acid.	66089	"
.....	1'0392	9'30	8'61 - 0'4	"	.....	66090	"

BULLETIN No. 321--

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF QUEBEC CITY--							
1915.							
April 20	Lime Juice...	56395	O. Lacroix, 19 rue St. Joseph, Quebec.	3 bots.	30	T. A. Lytle Co., Toronto.	Turcotte & Frere
" 20	" ..	56396	" " " "	3 "	75	L. Rose, London..	J. B. Renaud & Cie.
" 20	" ..	56397	Elz. Turcotte, 74 Desfosés, Quebec.	3 "	1.50	Montserrat Co. Ltd., England.	Unknown
" 20	" ..	56398	" " " "	3 "	75	Dalton Bros., Toronto.	"
" 20	" ..	56399	" " " "	3 "	30	L. Rose Co. Ltd., London.	J. B. Renaud & Cie.
DISTRICT OF QUEBEC PROVINCE--							
May 4	Lime Juice...	282	F. D. Hall, Ste Agathe des Monts.	3 bots.	60	L. Rose & Co. Ltd.	.....
" 22	" ..	56458	Fraserville Drug Co., Fraserville.	3 "	1.50	.....	Lymans Ltd., Montreal.
" 22	" ..	56461	Damien & Cie, Fraser ville.	3 "	45	Sutcliffe & Bingham, Ltd.	.....
June 1	" ..	56464	T. Therriault, Fraserville.	3 "	90	L. Rose & Co., Ltd., London.	.....
DISTRICT OF THREE RIVERS--							
May 21	Lime Juice...	67957	A. C. Duff, Charlemagne.	3 bots.	75	N. D. & C. Co., Montreal.	.....
" 28	" ..	69107	Bellefeuille Giroux, Three Rivers.	3 "	1.20	L. Rose & Co., Ltd., London.	.....
" 29	" ..	69108	O. Carignan & Fils, Three Rivers.	3 "	1.05	Evan Sons, Iescher & Webb.	N. D. & C. Co., Montreal.
June 1	" ..	69114	J. A. Boisvert, Joliette.	3 "	75	L. Rose & Co., Ltd., London.	Laporte & Martin, Montreal.
DISTRICT OF MONTREAL--							
May 7	Lime Juice...	62596	Viauville Cash Grocery, 89 St. Catherine street, Maisonneuve.	3 bots.	30	Green & Co., Toronto.	.....
" 17	" ..	62597	P. H. Theoret, 71 Vitre st. E., Montreal.	3 "	1.05	Finsbury Distillery Co., London.	.....
" 19	" ..	62598	The Royal George Grocery, 221 Bernard ave., Montreal.	3 "	30	L. Rose & Co., Ltd., London.	.....
June 7	" ..	62599	Dr. Champagne, 1314 Wellington st., Verdun.	3 "	45	.....	Lymans Ltd....
" 9	" ..	62600	Louis Montplaisier, 582 St. Catharine st., Maisonneuve.	3 "	45	T. A. Lytle Co., Ltd., Toronto.	.....
DISTRICT OF VALLEYFIELD--							
June 9	" ..	57946	J. E. Baillargeon, Farnham.	3 bots.	60	Dalton Bros., Toronto.	.....

LIME JUICE

Inspector's Report (is it an expressive of opinion.

F. X. W. E. I

N. CADIEUX

DR. V. P. LAV

D. J. KEARN

J. J. COSTIG

LIME JUICE.

Inspector's Report (is not an expression of opinion.)	Results of Analysis.				Found.	No. of Sample.	Remarks, and Opinion of the Chief Analyst.
	Sp. gr. of Juice.	Total solids.	Acidity as citric acid.	Rotation (2 dm.)			

F. X. W. E. BELAN, INSPECTOR.

		p. c.	p. c.				
.....	1·0339	7·90	7·17	+ 0·6	Benzoic acid.....	56395	Genuine, with a preservative.
.....	1·0364	8·72	8·12	- 0·5	.....	56396	Genuine.
.....	1·1258	31·08	1·99	- 37·8	.....	56397	Sugared and watered. Sold as a cordial and not as lime juice.
.....	1·0419	9·78	7·49	- 2·2	Benzoic acid	56398	Genuine, with a preservative.
.....	1·0348	8·36	7·98	- 0·4	.....	56399	Genuine.

N. CADIEUX AND A. PELLETIER, TEMPORARY INSPECTORS.

.....	1·0356	8·40	7·91	0·0	.....	282	Genuine.
.....	1·0285	6·90	6·40	+ 0·1	Salicylic acid.....	56458	Solids and citric acid below standard. Adulterated.
.....	1·0262	6·32	6·02	- 0·3	"	56461	" "
.....	1·0349	8·49	7·91	- 0·5	.....	56464	Genuine.

DR. V. P. LAVALLEE, INSPECTOR.

.....	1·0320	6·89	7·28	0·0	.....	67957	Solids somewhat low. Pass.
.....	1·0348	8·13	8·12	0·0	.....	69107	Genuine.
.....	1·0356	8·48	7·84	0·0	.....	69108	"
.....	1·0354	8·25	8·12	0·0	.....	69114	"

D. J. KEARNEY, INSPECTOR.

.....	1·0516	12·23	1·40	-13·80	Salicylic acid.....	62596	Sold as a lime juice cordial; not as lime juice.
.....	1·0370	7·81	7·21	0·0	.....	62597	Genuine.
.....	1·0351	7·31	8·12	0·0	.....	62598	Solids slightly low; pass.
.....	1·0326	6·86	7·28	0·0	Benzoic acid.....	62599	" " with preservative.
.....	1·0331	6·88	6·72	0·0	.....	62600	Solids slightly low; pass

J. J. COSTIGAN, ACTING INSPECTOR.

.....	1·0564	12·47	8·47	- 6·30	Benzoic acid.....	57946	Contains sugar. Otherwise genuine, with preservative. Pass.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF OTTAWA—							
1915.							
April 24	Lime Juice...	63618	Casselman Bros., Morrisburg.	1 bot.	35	The Turner Co., Ltd., Toronto.	
" 30	"	63639	Jos. Grant, York street, Ottawa.	3 "	75	T. A. Lytle Co., Ltd., Toronto.	
May 4	"	63653	The F. J. Castle Co. Ltd., Wellington st., Ottawa.	1 "	19	N. D. & C. Co., Ottawa.	
DISTRICT OF KINGSTON—							
April 28	Lime Juice...	68041	T. H. Sargent, Kingston.	3 bots.	75	E. G. West & Co., Toronto.	
" 28	"	68042	A. P. Chown, Kingston.	3 "	99		
" 28	"	68043	Geo. A. Mahood, Kingston.	3 "	90	Lymans Ltd., Montreal.	
" 29	"	68044	A. Glover, Kingston.	3 "	75	L. Rose & Co., London.	
May 4	"	68045	D. G. Bleeker, Belleville.	3 "	105	Davis & Lawrence Co., Montreal.	
DISTRICT OF TORONTO—							
May 11	Lime Juice...	67069	R. A. Mason, Markham.	3 bots.	78	Sutcliffe & Bingham, Ltd., Manchester, Eng.	
" 13	"	67070	W. H. Parr, Beaverton.	3 "	75	Dalton Bros., Toronto.	
" 15	"	67071	The Playfair Preston Co., Midland.	3 "	45	T. A. Lytle Co., Toronto.	
" 20	"	67073	C. B. Shield, 1417 Queen street, W. Toronto.	3 "	105	Rowatt & Co., Glasgow.	
" 20	"	67076	E. C. Brown, 2489 Yonge street, Toronto.	3 "	45	E. G. West & Co., Toronto.	
DISTRICT OF HAMILTON—							
April 26	Lime Juice...	66988	J. C. Hadden, Guelph	3 bots.	75	G. F. Sutton Sons & Co., London, Eng.	Unknown.
" 26	"	66990	G. M. Jamieson, Fergus.	3 "	75	Dalton Brothers, Toronto.	
" 27	"	66991	H. E. Yeomen, Mount Forest.	3 "	75	Rowatt & Co., Glasgow.	Unknown.
May 5	"	66992	Stanley Mills & Co., 11 King st., E. Hamilton.	11 "	30	Sutcliffe & Bingham, Ltd., Manchester, Eng.	
" 5	"	66993	Peebles Hobson & Co., King and McNabb sts., Hamilton.	3 "	75	R. Fry & Co., Brighton.	
June 5	"	67086	Stanley Mills & Co., 11 King st., E. Hamilton.	3 "	105	Sutcliffe & Bingham, Ltd., Manchester, Eng.	
" 5	"	67087	Peebles Hobson & Co., 40 King st., W. Hamilton.	3 "	75	R. Fry & Co., Brighton.	

Inspector's Report
(Is not an expression
of opinion)

J. A. RICKEY

Turner's Lime

Sterling Brand.

Olympia, quality
guaranteed.

JAMES HOGG

Olympia Brand

H. J. DAGEB

Kkovah Lime Juice

Dalton's West
Lime Juice.

Sterling Brand.

Royal Crest

H. J. DAGEB

Kkovah Lime Juice

Labelled Pure
Juice.Kkovah Pure
Juice.Labelled Pure
Juice.

LIME JUICE.

Manufacturer given by r. Furnisher.	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Inspector's Report. (Is not an expression of opinion).	Sp. gr. of Juice.	Total solids.	Acidity as citric acid.			Rotation (2 dm.) Found.
OTTAWA—						
J. A. RICKEY, INSPECTOR.						
Turner's Lime Juice.	1-0282	6-30	6-23	0-0	63618	Below standard. Adulterated.
Sterling Brand	1-0282	6-33	6-09	0-0	63639	" " "
Olympia, quality guaranteed.	1-0347	7-83	7-49	0-0	63653	Genuine.
INGSTON—						
JAMES HOGAN, INSPECTOR.						
Olympia Brand	1-0348	7-55	7-21	0-0	68041	Solids slightly low. Pass.
	1-0289	6-27	6-65	0-0	68042	Solids and citric acid low. Adulterated.
	1-0334	8-19	8-05	0-0	68043	Benzoic. Genuine, with a preservative.
	1-0334	7-86	7-77	0-0	68044	Genuine.
	1-0304	6-91	7-14	0-0	68045	Solids slightly low. Pass.
TORONTO—						
H. J. DAGER, INSPECTOR.						
Kkovah Lime Juice.	1-0270	6-28	6-23	0-0	67069	Salicylic. Below standard. Adulterated.
Dalton's West India Lime Juice.	1-0584	13-88	5-46	-9-2	67070	Benzoic. Contains added sugar. Adulterated, as below legal acid strength.
Sterling Brand	1-0296	6-87	6-30	0-0	67071	Below standard. Adulterated.
	1-0260	6-12	5-53	0-0	67073	" " "
Royal Crest	1-0393	9-23	8-40	0-0	67076	Genuine.
MILTON—						
H. J. DAGER, ACTING INSPECTOR.						
Unknown	1-0282	6-50	6-44	0-0	66988	Salicylic. Below standard. Adulterated.
	1-0531	12-25	7-91	-5-4	66990	Benzoic. Contains sugar. Otherwise genuine, with preservative.
Unknown	1-0300	7-10	6-51	0-0	66991	Pass. Solids and acid low. Adulterated.
Kkovah Lime Juice.	1-0274	6-29	5-88	0-0	66992	Salicylic. " " "
Labelled Pure Lime Juice.	1-0357	8-39	7-98	0-0	66993	Genuine.
Kkovah Pure Lime Juice.	1-0318	7-48	7-01	0-0	67086	Salicylic. Solids somewhat low. Pass.
Labelled Pure Lime Juice.	1-0360	8-40	7-91	0-0	67087	Genuine.

Date of Collection.	Name of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF WINDSOR—							
1915.							
Apr. 21	Lime Juice...	54766	J. P. Sheppard, Clinton...	3 bts.	1.20	Montserrat Co. Ltd., London E.	
" 23	" ...	54789	Dicksons, St. Mary's....	3 "	75	Imperial Extract Co. Toronto.	
" 23	" ...	54791	F. W. Hutton, St. Mary's	3 "	30	L. Rose & Co. Ltd. London, Eng.	
" 25	" ...	54794	Standard Drug Co., London	3 "	75	Nat. Drug Co., Canada.	
DISTRICT OF MANITOBA—							
May 18	Lime Juice...	61282	The Minnedosa Pharmacy Minnedosa.	3 bts.	1.05	The Bole Drug Co. Winnipeg.	
" 18	" ...	61283	P. W. Hutton, Minnedosa	3 "	1.00	Western Mfg. Co. Winnipeg.	
" 19	" ...	61284	J. A. Dunkin, Portage-la-Prairie.	3 "	45	The Bole Drug Co. Winnipeg.	
" 25	" ...	61285	J. Paterson, Winnipeg...	3 "	75	The White Star Mfg. Co. Winnipeg.	
" 25	" ...	61286	" " ...	3 "	75	The Blackwoods Ltd. Winnipeg	
DISTRICT OF ALBERTA—							
Apr. 30	Lime Juice...	52157	Hudson's Bay Co. Edmonton.	3 lbs.	90	Imperial Extract Co. Toronto.	
May 1	" ...	52158	J. H. Morris, Edmonton.	3 "	45	White Star Mfg. Co. Winnipeg.	
" 20	" ...	52159	Wendell Maclean, Calgary	3 "	1.05	G. F. Sutton Sons & Co. London E.	
" 21	" ...	52160	Nat. Drug & Chem. Co. Calgary.	3 "	1.15	Vendors	
June 17	" ...	52161	Geo. Kerr, Lethbridge...	3 "	1.05	L. Rose & Co. Ltd. London, Eng.	
DISTRICT OF ROCKY MOUNTAINS—							
Apr. 26	Lime Juice...	61864	E. W. Hazlewood, Trail.	3 bts.	1.50	Nat. Drug & Chem. Co. Vancouver.	
May 20	" ...	61821	Sun Grocery Co. Cranbrook.	3 "	1.05	Imperial Extract Co. Toronto.	Jobbers Limited Cranbrook.
June 10	" ...	61829	A. Hobson, Revelstoke...	3 "	1.50	Kelly Douglass & Co. Vancouver.	
" 10	" ...	61835	L. C. Masson, " ...	3 "	1.50	W. H. Malkin Co. Vancouver.	
" 10	" ...	61836	" " ...	3 "	2.25	Kops Breweries London, Eng.	

Inspector's Re
(Is not an
expression
of opinion.)

JOHN TALBO

Montserrat
Fruit Juice.
Yacht Club...

Rose Prepared
India Lime J
Olympia.....

A. C. LARIV

A. W. R. MA

Imperial.....

White Star...

West Indian..

Sovereign....

Rose's.....

THOS. PARF

Yacht Club..

Nabob.....

LIME JUICE.

Manufacturer as given or Furnisher.	Inspector's Report (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and opinions of the Chief Analyst.
		Sp. gr. of Juice.	Total solids.	Acidity as Citric Acid.	Rotation in 2 dm.	Found.		
VINDSOR—								
JOHN TALBOT, INSPECTOR.								
Montserrat Lime Fruit Juice.	1·0352	8·07	7·91	0·0	.....	54766	Genuine.
Yacht Club.....	1·0237	5·56	5·67	0·0	Salicylic.....	54789	Below standard. Adulterated.	
Rose Prepared West India Lime Juice.	1·0300	8·47	8·05	0·0	.....	54791	Genuine.
Olympia.....	1·0320	7·44	7·35	0·0	.....	54794	Solids somewhat low. Pass.
ANTOBA—								
A. C. LARIVIÈRE, INSPECTOR.								
.....	1·0311	7·76	6·93	-0·4	.....	61282	Genuine.
.....	1·0192	4·00	3·50	+0·4	Salicylic.....	61283	Below standard. Adulterated.	
.....	1·0400	8·60	6·65	-0·1	.....	61284	Acid slightly low. Pass.
.....	1·0310	7·46	6·93	-0·5	.....	61285	Solids slightly low. Pass.
.....	1·0321	7·65	7·14	-0·6	.....	61286	" "
LBERTA—								
A. W. R. MARKLEY, INSPECTOR.								
Imperial.....	1·0205	6·41	5·16	-0·4	Contains artificial colouring.	52157	Below standard. Adulterated.	
White Star.....	1·0305	8·56	6·72	-0·4	Salicylic acid 0·30 pts per 5000.	52158	Genuine, with preservative.	
West Indian.....	1·0268	7·73	5·69	-0·3	Salicylic acid 0·65 pts per 5000.	52159	Below standard. Adulterated.	
Sovereign.....	1·0322	8·76	7·03	-0·3	Sulphurous acid 3·12 pts per 10,000.	52160	Genuine, with preservative in excess.	
Rose's.....	1·0357	9·37	7·85	-0·4	Sulphurous acid 0·05 pts per 10,000.	52161	" "	
NTAINS—								
THOS. PARKER, INSPECTOR.								
.....	1·0200	5·93	4·65	+0·3	Salicylic acid 0·40 pts per 5000.	61804	Below standard. Adulterated.	
Yacht Club.....	1·0189	5·54	4·21	+0·2	Salicylic acid 0·05 pts per 5000.	61821	" "	
Nabob.....	1·0341	9·10	7·60	-0·6	Sulphurous acid 0·10 pts per 10,000.	61829	Genuine, with preservative.	
.....	1·0353	9·47	7·90	-0·2	Salicylic acid 2·00 pts per 5000.	61835	Genuine, with preservative in excess.	
.....	1·0315	8·65	7·00	-0·5	Sulphurous acid 0·03 pts per 10,000.	61836	" "	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF VANCOUVER-							
1915.							
May 22	Lime Juice...	55266	Cochrane & Elliott, 657 15th Ave., E. Vancouver	3 bots.	75	Leesor, Dickie, Gross & Co., Ltd., Vancouver.	
" 22	" ..	55267	G. W. Bennett, 761 Kingsway, E. Vancouver.	3 "	75	Kelly, Douglas & Co., Ltd., Vancouver.	
" 25	" ..	55268	B. C. Market Co., 924 Grenville St., E. Vancouver.	3 "	75	Pure Fruit Packing Co., Vancouver.	
" 26	" ..	55269	Knight Bros., 11th Ave. and Commercial Drive, E. Vancouver.	3 "	120	W. H. Malkin Co., Ltd., Vancouver.	
" 27	" ..	55270	Annandale Supply Co., Columbia St., New Westminster.	3 "	75	Imperial Extract Co., Toronto.	
DISTRICT OF VICTORIA-							
June 9	Lime Juice...	66727	H. O. Kirkham & Co., 741 Fort St., Victoria.	3 pts.	75	L. Ross & Co., Ltd., London, Eng.	
" 9	" ..	66730	Henry W. Driver, 856 Yates St., Victoria.	3 qts.	75	The Pure Fruit Packing Co., Vancouver.	
" 11	" ..	66738	Geo. A. Fraser & Co., 914 Government St., Victoria.	3 bot.	75	N. D. & C. Co. Victoria.	
" 11	" ..	66740	F. J. Williams, 613 Fort St., Victoria.	3 pts.	75	Alex. Riddle & Co., Ltd., London, Eng.	
" 15	" ..	66749	Ivel's Pharmacy, 1415 Government St., Victoria.	3 bots.	75	W. A. Ross & Bro., Belfast, Ireland.	

LIME JUICE

Inspector's Report
(Is not an expression
of opinion).

E. J. MORGAN

Labelled Finest
India Lime Juice

Columbia Brand

Labelled Pure
Lime Juice.

Victoria Cross B

Yacht Club.....

D. O'SULLIVAN

Rose's Prepared
West India
Pure Fruit
Juice.

LIME JUICE.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sp. gr. of Juice.	Total Solids.	Acidity as Citric Acid.	Rotation (2 dm.)	Found.		
Vancouver—							
E. J. MORGAN, INSPECTOR.							
Labelled Finest West India Lime Juice.	1-0189	5-60	4-29	- 0-2	Salicylic acid 0-55 pts. per 5,000. Sulphurous acid 0-02 pts. per 10,000.	55266	Below standard. Adulterated. Contains two preservatives.
Columbia Brand	1-6159	5-16	3-60	- 0-1	Sulphurous acid 0-06 pts. per 10,000.	55267	Below standard. Adulterated.
Labelled Pure Fruit Lime Juice.	1-0112	3-66	2-54	+ 0-2	Salicylic acid 0-70 pts. per 5,000.	55268	" "
Victoria Cross Brand	1-0346	9-27	7-69	0-0	Sulphurous acid 0-22 pts. per 10,000.	55269	Genuine, with preservative.
Yacht Club.	1-0081	3-36	2-10	+ 0-3	Artificial colour- ing.	55270	Below standard. Adulterated.
VICTORIA—							
D. O'SULLIVAN, INSPECTOR.							
Rose's Prepared West India Lime Juice.	1-0357	9-91	7-70	- 0-9	Sulphurous acid 9-10 pts. per 10,000.	66727	Genuine, with preservative.
Pure Fruit Lime Juice.	1-0165	5-05	3-70	- 0-1	Salicylic acid 2-75 pts. per 10,000. Sulphurous acid 0-07 pts. per 10,000.	66730	Below standard. Adulterated. Contains two preservatives.
.	1-0196	5-58	4-55	- 0-2	Salicylic acid 0-50 pts. per 5,000. Sulphurous acid 1-01 pts. per 10,000.	66738	Below standard. Adulterated.
.	1-0329	8-38	7-12	0-0	Sulphurous acid 0-94 pts. per 10,000.	66740	Genuine, with preservative.
.	1-0337	8-82	7-54	- 0-9	Salicylic acid 0-35 pts. per 5,000.	66749	" "

No. 321—

Address
Furnisher
Vendor.

Furnisher.

Vancouver—

VICTORIA—

Pure Fruit
Packing Co.,
Vancouver.D. & C. Co.
Victoria.