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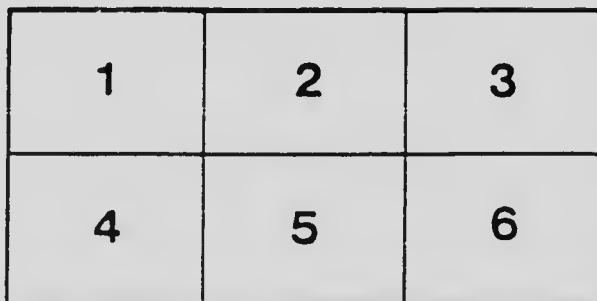
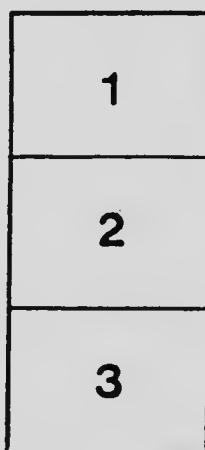
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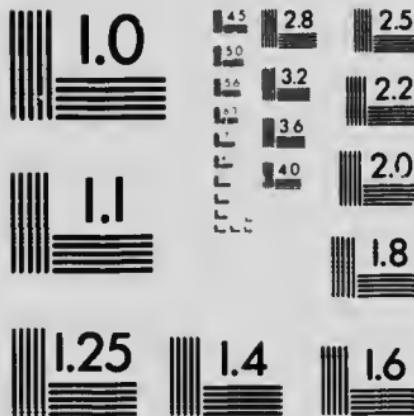
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LABORATORY

OF THE

INLAND REVENUE DEPARTMENT OTTAWA, CANADA.

BULLETIN No. 326

MALT EXTRACTS.

C O R R E C T I O N .

Referring to Bulletin 308, page 14, sample No. 2728, the name of E. W. Gillet Co., Toronto, appears by mistake in the column headed "manufacturer."

J. B. Renaud & Cie., of Quebec, are the manufacturers.

A. McGILL,
Chief Analyst.

00548703



NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 326.

MALT EXTRACTS.

OTTAWA, 21st February, 1916.

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

SIR,—I beg to hand you a report upon one hundred and fifty-two (152) samples purchased as Malt Extracts by our various Inspectors.

Malt Extract is not defined by the British Pharmacopœia. The British Pharmaceutical Codex of 1911 does, however, define Malt Extract (Extractum Malti) as follows:—

"A brown-yellow or light amber-coloured, thick, viscid liquid, having a faint pleasant characteristic odour, a sweet, mucilaginous taste, and a distinct acid reaction. Its diastatic activity is destroyed at temperatures above 65°C Specific Gravity about 1.375. Soluble in all proportions in water, the solution being precipitated by strong alcohol. Malt Extract consists chiefly of maltose (50 per cent or more) and dextrin, with some dextrose, and should also contain a fair proportion of diastase."

This account of the article may be regarded as descriptive rather than definitive.

Malt Extract is described to much the same effect, in the United States Pharmacopœia (Eighth revision, 1900). No constants as to density, diastatic value, sugar content, etc., are stated.

Liquid Extract of Malt; is not a pharmacopeial preparation. It is described in the B. P. Codex as prepared from Extract of Malt, alcohol and distilled water. 100 parts of the liquid extract contain about 7.5 parts of alcohol. The specific gravity should be about 1.2.

With regard to the notion and uses of Malt Extract I quote the following from the B.P. Codex of 1911, p. 402.

"The medicinal value of malt extract depends upon the proportion of total solid nutritive carbohydrates it contains, and upon its diastatic action, the latter enabling it to convert the starchy constituents of food into soluble carbohydrates, chiefly maltose. But the diastase becomes inactive in an acid medium such as obtains in the stomach during digestion. The extract is given to children and adults for its nutritive properties. Many of the extracts on the market contain no diastase, the ferment having been destroyed during evaporation."

Among other reasons for the present (the first) systematic inspection of Malt Extracts, was the question whether a number of preparations more or less closely resembling Malt Extract were to be regarded, for purposes of revenue, as Drugs or as Foods. Malt Extract is very frequently employed as a vehicle for the administration

of drugs, such as Cod Liver Oil, Phosphates, Quinine, etc., and, of course, in such combinations it must be classified as a drug. When used *per se*, its main, if not its only claim to medicinal properties, is based upon its containing active diastase. In its sugar content it must be regarded as a food.

Of one hundred and fifty-two (152) samples now reported, only sixteen (16) can be regarded as fulfilling in any satisfactory degree, the requirements of an Extract of Malt. These contain solids varying from about 70 to 80 per cent, and the solids in question are mainly malt sugar, dextrin and dextrose. The characteristic results of these sixteen (16) samples are summarized in the following table:—

TABLE A.
Malt Extracts.

No.	Solids.	Specific Gravity.	Diastatic Value.	Alcohol (Weight).
54053	71·30	1·330	0·7	6·10
52140	80·36	1·418	112·6	Nil.
54054	78·20	1·108	56·0	"
66051	77·40	1·395	56·0	"
56366	75·20	1·400	56·0	"
67327	81·00	1·423	90·0	"
63610	73·84	1·408	53·0	"
66745	81·60	1·427	111·0	"
52143	82·16	1·431	99·9	"
63611	73·70	1·317	15·0	3·88
52145	71·84	1·322	39·1	3·11
66741	70·80	1·321	54·8	3·25
61802	81·60	1·424	54·6	Nil.
55277	81·72	1·425	54·7	"
61838	81·96	1·429	13·4	"
66754	83·16	1·447	13·6	"

It should here be stated that five samples of medicated Malt Extracts, purchased in error by Mr. Inspector Behnert are not inserted in the above table. These bear numbers 56368 to 56372 inclusive.

Liquid Extract of Malt, is prepared as follows; under directions given in the B. P. Codex of 1911—(page 1180):—

Extract of Malt, by volume	6½ 50 parts.
Alcohol	7 50
Distilled water to make	100

The specific gravity should be about 1·2. Two alternative methods given for preparation of Liquid Malt Extract. One from an aqueous infusion of malt, when the specific gravity of the resulting extract should be about 1·275, the other by percolation of the malt, in coarse powder, with alcohol diluted with three parts of water, until the percolate weighs three-fourths the weight of the malt.

In order to obtain certain constants for Liquid Malt Extract, as given in the B. P. Codex, two samples were prepared in the laboratories, from sample No. 63610 of Malt Extract numbered 63610 and 67327.

No. 63610 is a Kepler Extract, made by the Burroughs, Wellcome Co.; specific gravity 14·08; contains 78·84 per cent solids; has a diastatic value of degrees Lintner, and is free from alcohol.

No. 67327 is also a Kepler Extract, manufactured by Burroughs, Wellcome Co. It has specific gravity 1·423, contains 81·00 p.e. total solids; has diastatic value Lintner and is free from alcohol.

The Liquid Extracts were prepared strictly according to the directions of the B.P. Codex as above and gave following results:—

	Liquid Extract of Malt from 63610. from 67327.	
Specific gravity.....	1·2600	1·2625
Alcohol (volume p.c.)	4·70	6·280
Specific gravity of extract deaethoholized.....	1·282	1·2707
Extractive (calculated).....	52·2	54·7

An examination of the analytical results found for 128 samples purchased as Malt Extract or as Liquid Malt Extract and comprising all the samples of this collection, except 16 which are reported in Table A, shows that only three samples can be regarded as Liquid Malt Extracts, in the sense of the B. P. Codex. The three samples in question bear the numbers 66050, 63655 and 52144, and give the following results:—

TABLE B.

Liquid Malt Extract.

No.	Solids.	Specific Gravity.	Diastatic Value.	Alcohol (Weight).
66050	55·50	1·250	25·6	8·22
63655	58·51	1·245	20·0	9·43
52144	58·44	1·243	9·2	8·60
Samples Prepared in Laboratory from—				
63610	53·20	1·260	....	5·37
67327	54·70	1·263	....	5·57

The present report deals with 152 samples, which may be classified as follows:—

Genuine Extract of Malt	16 samples.
Genuine Liquid Extract of Malt	3 "
Medicated Extract of Malt	5 "
Beverages sold as Malt Extract	128 "
Total	152 samples.

Of the 128 samples which cannot be classed either as Malt Extract, or as Liquid Extract, the following may be said:—

1. They usually contain alcohol; the amount of which, stated as proof spirit, varies from about 4 per cent to about 12 per cent.
2. Extractive matter varies from about 5 to about 12 per cent—only 14 samples showing as much as 13 per cent.
3. Ordinary Ale (or beer) is required to contain at least 3·5 per cent solids, and an examination of published results (See I. R. Bulletins No. 52, 196 and 283) shows that the solids in Canadian made Ales, of good quality usually range from 4 to 6 per cent while alcohol (expressed as proof spirit) varies from about 7 to about 10 per cent.
4. None of these samples possess any diastatic value; consequently, in this respect, they do not differ from ordinary Beer or Ale.

In order to facilitate comparison between the so-called Malt Extracts of the class now under consideration, and ordinary Ales or Beers, the following table has been prepared.

TABLE C.

Brand.	Number Samples Examined.	Alcohol as Proof Spirit.	Solids.
1. Malt Nutritive	5	2·94	15·67 tonic.
2. Dr. Kilborn's	1	7·36	6·19 beer.
3. H. A. Brewery	1	5·04	10·67 tonic.
4. Cremomalt	2	10·88	2·64 beer.
5. Carling's	20	7·09	6·14 beer.
6. Mallovin	7	5·33	12·44 tonic.
7. Diamond	1	7·49	6·93 beer.
8. Goebel	3	2·68	12·74 tonic.
9. Hoffman	1	9·18	5·35 beer.
10. Prima Tonic	1	10·26	5·43 beer.
11. Blue Ribbon	2	9·78	6·51 beer.
12. Malta Labattine	1	10·81	5·48 beer.
13. Diastatic	9	7·36	10·28 tonic.
14. M. Boe	1	7·87	9·00 beer.
15. Miller's	3	10·51	9·68 tonic.
16. Dow's	3	8·00	11·57 tonic.
17. Oregon	1	5·00	11·48 tonic.
18. O'Keefes'	5	11·40	9·27 beer.
19. P'tit st	16	7·66	11·19 tonic.
20. Salvador	7	7·65	5·30 beer.
21. Dr. Charles	1	5·98	10·12 tonic.
22. Hofman	1	8·00	5·04 beer.
23. Schlitz	3	7·93	9·11 beer.
24. Silver Springs	2	8·42	4·76 beer.
25. Sleeman's Springs	1	7·95	12·31 tonic.
26. Walkerville	2	11·62	6·39 beer.
27. Wyeths	36	4·81	12·83 tonic.

These samples apparently represent 27 different brands; and I have already pointed out that none of them meet requirements for Liquid Malt Extract, under which name most of them are sold.

In several cases it would appear that the manufacturer has sought to produce a beverage somewhat more nutritious than ordinary beer; while in most cases the article does not essentially differ from a strong ale.

If we draw the line between an ordinary commercial ale, and a special ale, claiming to be nutritive qualities above ordinary ale, where may the line be drawn? This is, of course, a question which can only be acceptably answered after consultation with all parties interested in the matter.

I have ventured, to suggest that unless at least 10 per cent of nutritive solids remain in the product, it has no claim to be recognized as a special or tonic beverage. Many ordinary ales contain from 5 to 6 per cent of nutritive solids; and it would seem reasonable to require at least double of this amount to constitute a malt beverage, claiming any medicinal or tonic value.

On the above assumption, I find that 15 out of 27 brands named in Table C—should be sold as ale or beer; and should be placed on the market under the same conditions as ale or beer.

This conclusion has at present, no legal recognition, but I would respectfully ask for its careful consideration of this department.

I would further suggest publication of this report as Bulletin No. 326.

I have the honour to be, Sir,

Your Obedient Servant,

A. MCGILL,

Chief Analyst.

BULLETIN No. 326—TABLE I, PART I.—MALT EXTRACTS.

Date of Collection	No. of Sample	Nature of Sample	Name and Address of Vendor	C. st.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Remarks and Opinion of the Chief Analyst.
					Manufacturer.	Furnisher.	
June 18	1915.	Malt Extract..	54051 National Drug and Chem. Co., Halifax.	3 bots.	55 Carling B. and M. Co., Mrs. London, Ont.	.....	.....
"	23	"	54052 John Tolon & Co., Halifax	3 "	80 Palet Brew. Co., Milwaukee.	.....	.....
"	30	"	54053 B. F. Trask, Yarmouth.....	1 bot. 1 " 00	Parke Davis Co., Walker-ville.	.....	.....
-	July 9	"	54054 Taylor Drug Co., Bridgewater.	1 "	25 Burroughs, Wellcome & Co., London, Eng.	.....	.....

DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.

May 7	60190	E. A. Foster, Charlottetown.	3 lots.	43 Reinhardt, Salvador	.....	.....
"	60191	"	3 "	96 Faber Brewery Co., Milwaukee.	.....	.....
"	60192	C. D. Rankin, Charlottetown.	3 "	78 Carling B. and M. Co., London, Ont.	.....	.....
"	60193	George E. Hugles, Charlottetown.	1 lot.	11 John Wyeth & Bros., Philadelphia.	.....	.....

DISTRICT OF PRINCE EDWARD ISLAND—W.M. WEEKS, INSPECTOR.

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

May 10	Malt Extract..	66046 National Drug and Chem. Co., St. John.	3 bts.	90 Pabst, Milwaukee.	
" 13	"	66047 Gouneau & Sheehan, St. John.	3 "	110 Anheuser, Busch Brew. Assn., St. Louis.	
" 17	"	66048 National Drug and Chem. Co., St. John.	3 "	90 Carling Brew. Co., London, Ont.	
" 17	"	66049 "	3 "	105 Wyeth's	Lyman's, Ltd., Mon-treal.
" 25	"	66050 R. T. Mack, Fredericton	3 "	2 25 Allen & Hanbury, Ltd., London, Eng.	Bynum
" 26	"	66051 C. A. McKeen, Workstock..	3 "	2 34 Burroughs, Wellcome Co., London, Eng.	Malt Extract. Genuine.
June 17	"	66052 C. O. Steeves, Moncton ..	3 "	75 Lyman's, Ltd., Mon-treal.	
" 19	"	66053 National Drug and Chem. Co., St. John.	3 "	76 Silver Spring Brewery, Sherbrooke.	

DISTRICT OF QUEBEC CITY—F. X. W. E. BELAND, INSPECTOR.

April 20	Extract Malt.	56517 Elz. Turcotte, 74 Desseix, Quebec.	3 bts.	75 Pabst Brew. Co... .	
" 20	"	56518 "	3 "	54 Silver Spring Brewery...	
" 21	"	36519 Myrant Pouliot, Quebec....	3 "	66 Miller & Co... .	LaPorte, Martin
" 21	"	56522 A. Grenier, 94 St. Jean, Quebec.	3 "	75 C. J. Oregan, Quebec.	Mfr....
" 27	"	56382 Los. Masson, 808 St. Valier, Quebec.	3 "	76 John Wyeth & Sons, L. F. Martel Philadelphia.	National Drug
" 27	"	56353 "	3 "	75 Carling	Mfr....
" 26	"	56356 J. B. Giroix, 387 St. Joseph, Quebec.	3 "	3 00 Burroughs, Wellcome...	Malt Extract. Genuine.
" 28	"	56358 "	3 "	3 90 " " "	Medicated.
" 28	"	56359 "	3 "	3 40 " " "	" "
" 28	"	56370 J. B. Giroix, 387 St. Joseph, Quebec.	3 "	2 70 Burroughs, Wellcome Co.	Malt Extract. Medicated.
" 28	"	56371 "	3 "	3 " " "	" "
" 28	"	56372 "	3 "	90 " " "	" "

BULLETIN No 326—TABLE 1, PART 1.—MALT EXTRACTS.

Date of Collection	Nature of Sample	Name and Address of Vendor	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report (Is not an expression of opinion.)	Remarks and Opinion of the Chief Analyst.
				Manufacturer	Furnisher		
DISTRICT OF QUÉBEC PROVINCE—N. CADIEUX, A. PELLETIER, TEMPORARY INSPECTORS.							
1915.							
April 28	Extrait de Malt	273 J. N. Desjardins, St. Jérôme	3 bota.	1-11 John Wyeth & Bros., Montreal.			
May 4	"	281 F. D. Hall, Ste. Agathe des Monts.	3 "	96 Carling			
" 4	"	287 Dr. Ed. Grignon, Ste Agathe des Monts.	3 "	78 Lyman's, Ltd.			
" 22	Malt Extract..	56487 Fraserville Drug Co., Fraserville.	3 "	75			Lyman's, Ltd., Montreal.
" 22	"	56463 Ed. Cloutier, Fraserville	3 "	99 The Carling Co., London, Ont.			
June 1	"	56467 John Kaine, Fraserville.	3 "	1-6 John Wyeth, Philadelphia.			
DISTRICT OF THREE RIVERS—DR. V. P. L'AVALLÉE, INSPECTOR.							
May 1	Malt Extract..	67952 Camille Barret, Joliette.	3 bots.	76 Wyeth Bros., Philadelphia.	Lyman's, Montreal....		
" 4	"	67939 J. T. Gaudet, Joliette.	3 "	75 Davis & Lawrence.....	.....	
" 5	"	67950 A. L. Boucher, Joliette.	3 "	90 Pabst Brew. Co., Milwaukeewaukee, Milwaukee.	Lyonan Knox, Montreal.....		
" 6	"	67961 C. L. Rivest, Joliette.	3 "	75 Lyman's Ltd., Montreal.	.....	
" 5	"	67962 J. O. Davault, Berthierville.	3 "	90 Wyeth Bros., Philadelphia.	Lyman's, Montreal.....		

6792 J. O. Davault, Berthierille 3 " 90 Wyeth Bros., Philadel. Lyman's, Montreal, phia.

" 20 "	67396 L. P. Crepinet, Joliette ..	3 "	75 "	75 "	" "	" "
" 15 "	67397 William Perreault, Joliette ..	3 "	75 "	" "	" "	" "
" 27 "	69105 R. W. Williams, Three Rivers,	Three 3 "	90 Lyman's, Ltd., Montreal ..			
" 31 "	69106 D. Carignan Fils, Three Rivers,	Three 3 "	75 Wyeth Bros., Philadelphia, Lyman's, Montreal ..			
June 1 "	69113 J. A. Boisvert, Joliette ..	3 "	90 " " "	" "	" "	" "

DISTRICT OF MONTREAL—J. J. KEARNEY, INSPECTOR

April 26	Malt Extract..	67316 Dr. Miller, 1840 Mason St., 3 blocks.	78 National Breweries, Ltd.	Dow's
" 26 "		67317 J. E. Morin, 927 Mt. Royal 3 "	79 "	Nat. Drug Co.
" 26 "		67318 N. Cleroux, 738 Mt. Royal 3 "	75 John Wyeth & Bros.	Carling's
" 26 "		67319 A. Lalonde, 556 Mt. Royal 3 "	78 Pabst Brewing Co.	Wyeth's
" 27 "		67320 Outremont, Pharmacy, 1195 3 "	75 Lyman's, Ltd.	Pabst
" 27 "		67321 Bernard St., Outremont, Montreal, Drug Store, 1068 3 "	75 Co. Medicale St. Charles	Lyman's
" 27 "		67322 St. Denis St., Montreal ..	75 "	St. Charles'
" 27 "		67322 " " " ..	75 "	Houquan's
" 27 "		67323 J. H. Robert, 1185 St. Denis 3 "	78 Fred Miller Brew. Co.	Miller's
" 28 "		67324 P. R. Thomas, 384 Bleury 3 "	78 Reinhardt Salvador Brewing Co.	Hofbrau
" 29 "		67325 P. R. Thomas, 384 Bleury 3 "	90 Anheuser Bush	Malt Nutrine
" 29 "		67326 P. R. Thomas, 384 Bleury St., Montreal ..	1 " O'Keefe's Brew. Co.	O'Keefe's
" 29 "		67327 Burroughs Wellcome Co., 3843 Bleury St., Montreal ..	1-30 Vendors ..	Kopler
				Malt Extract. Genuine.

DISTRICT OF EASTERN TOWNSHIPS—J. J. COSTIGAN, ACTING INSPECTOR

May 11	Malt Extract..	58146 D. W. Stenson, Sherbrooke..	3 bts. 1-61 Davis Lawrence Co.,	Malcovin
" 11 "		58147 " " " ..	45 Silver Springs Brewery,	Silver Spring

BULLETIN No. 320.—TABLE I, PART I—MALT EXTRACTS.

Date of Collection.	Nature of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Remarks and Opinion of the Chief Analyst.
			Quantity Grams.	Manufacturer.	Furnisher.	
DISTRICT OF EASTERN TOWNSHIP—Concluded.						
1915	"	A. F. Dulberger, Sherbrooke, 3 bts.	145	John Wyeth Brew.	Wyeth's.....	
May 11	Malt Extract..	38148 A. F. Dulberger, Sherbrooke, 3 bts.	145	Pabst Brew. Co., Milwaukee, Wis.	Pabst	
" 11	"	" "	3 "	78 Carling B. & M. Co., Montreal.	Carling's.....	
" 12	"	38150 B. N. Robinson, Coaticook.	3 "	75 Lyman's Ltd., Montreal.	Diastatic.....	
" 12	"	38151 E. C. Drolez, Coaticook.....	3 "	75	Dow's	
" 25	"	38152 G. Richard, Sherbrooke.....	3 "	75	Lyman's Ltd.....	
" 31	"	38153 Pharmacie Viger, St. Hyacinthe.	3 "	75 .....	.....
DISTRICT OF VALLEYFIELD J. J. COSTIGAN, ACTING INSPECTOR.						
June 16	Malt Extract..	40672 Tourrangen & Champagne, 3 bts.	90	Pabst	Pabst	
" 15	"	40673 J. Duval	90	Wyeth's	Wyeth's	
" 23	"	57944 P. P. Sabourin, St. Johns....	78	Malovin	Malovin	
" 23	"	37945 Wight & Co	75	Dow's	Dow's	
" 24	"	57947 Dr. Gauthier, Valleyfield....	75	Independent Brew. Assn. Chicago.	Prima Tonic.....	

DISTRICT OF OTTAWA J. A. RICEY, INSPECTOR.

" 28	"	W. S. Robertson, Perth.....	63669	W. S. Robertson, Perth.....	3 bots.	26 John Wyeth Bros., Mon-treat.....	Kepler.....	Malt Extract Genuine.
" 21	"	"	63610	"	"	2 C. P. Burroughs Wellcome, Montreal.....	Maltine.....	Malt Extract Distaste-value low, otherwise genuine
" 2	"	Fred. A. Girdwood "	63611	Fred. A. Girdwood "	"	3 12 Malting Mfg. Co., Tor-onto.....	Hofbrau.....	
May 3	"	Nat. Drug and Chem. Co., Ottawa.....	63644	Nat. Drug and Chem. Co., Ottawa.....	"	34 Reinhartd Salvador W. H. Lee, Toronto.....		
" 3	"	"	63645	"	"	38 Carling B. & M. Co., London.....		
" 3	"	"	63646	"	"	72 Pabst Brew. Co., Mil-waukee.....		
" 3	"	P. D'Aoust & Cie, Hull.....	63647	P. D'Aoust & Cie, Hull.....	"	57 Fred. Miller Brew. Co., Milwaukee.....		
" 4	"	E. J. Durcher, Ottawa.....	63654	E. J. Durcher, Ottawa.....	"	100 Anheuser Busch Brew. Abt. 7, St. Louis.....	Malt Nurture.....	
" 4	"	Stallker, Ottawa.....	63655	"	"	189 Allen & Hanbury, Tor-onto.....	Brynn Liquid Malt Extract, liquid genu-ine. Malt.	

DISTRICT OF KINGSTON--JAMES HOGAN, INSPECTOR.

April 28	Malt Extract.	63046	C. P. Phouse, Kingston....	3 bots.	75 Carling, London.....	75 Carling, London.....	Reinhardt, Salvador.....	Hofbrau.....
" 28	"	63047	T. H. Sergeant, Kingston....	"	75 Pabst Brew. Co., Mil-waukee.....	75 Pabst Brew. Co., Mil-waukee.....		
" 28	"	(63048) A. J. Chown, Kingston....	"	"	1 05 John Wyeth Bros., Mon-treat.....	1 05 John Wyeth Bros., Mon-treat.....		
" 28	"	63049	Geo. A. Mahood, Kingston.....	"	45 Reinhardt, Salvador Brew. Ltd., Toronto.....	45 Reinhardt, Salvador Brew. Ltd., Toronto.....		
May 4	"	63050	D. G. Bleeker, Belleville....	"	1 06 Davis & Lawrence Co., Montreal.....	1 06 Davis & Lawrence Co., Montreal.....		
" 5	"	63051	McDermid & Jury, Peter-boro.	"	75 O'Keeffe, Toronto.....	75 O'Keeffe, Toronto.....		

DISTRICT OF TORONTO--H. J. DAIFER, INSPECTOR.

May 12	Malt Extract.	67059	T. C. Nicholls, Uxbridge...	3 bots.	48 Reinhardt, Salvador.....	48 Reinhardt, Salvador.....	Hofbrau.....	
" 12	"	67060	W. S. Short, Port Perry....	"	90 Pabst Brew. Co., Mil-waukee.....	90 Pabst Brew. Co., Mil-waukee.....	Pabst.....	
" 14	"	67062	F. M. Haffey, Orillia	"	78 Sleeman & Son, Guelph.....	78 Sleeman & Son, Guelph.....		

BULLETIN No. 326—TABLE I, PART I.—MALT EXTRACTS.

Date of Collection.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Main manufacturer or F irrisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Remarks and Opinion of the Chief Analyst.
			Quantity.	Manufacturer.	F irrisher.	

DISTRICT OF TORONTO—Concluded.

1915.						
May 15	Malt Extract.	67063 G. A. Ramden, Midland....	3 lbs.	78 Carling B. & M. Co., London.		
" 19	"	67064 Geo. Marshall, 137 Wilton Ave., Toronto.	"	47 Walkerville Brew. Co., Ltd., Walkerville.		
" 19	"	67065 The J. A. Lunnon Drug Store, Jarvis & Queen, Toronto.	"	43 Berlin Lion Brewery, Berlin.		Dr. Kibbons.
" 19	"	67066 F. S. Taylor, 292 Simondina Ave., Toronto.	"	78 O'Keefe Brew. Co., Toronto.		O'Keefe's.
" 20	"	67067 R. H. Thompson, 1470 Yonge St., Toronto.	"	78 Giebel Brew. Co., Detroit.		
" 21	"	67068 A. J. McCall & Co., Queen and Church sts., Toronto.	"	78 Lyman's Ltd., Montreal.		Diartic.
" 21	"	67069 The Robt. Simpson Co., Ltd., Yonge and Queen Sts., Toronto.	"	78 Lyman Bros. & Co., Wethersfield, Conn., Toronto.		Lyman Bros. & Co., Wethersfield, Conn., Toronto.

DISTRICT OF HAMILTON—H. J. DAGER, ACTING INSPECTOR.

April 26	Malt Extract	66994 R. Phillips & Son, Fergus.	3 lbs.	76 Carling B. & M. Co., London.		
" 29	"	66995 P. B. Moore, Paisley....	3 "	78 Unknown	Unknown	Paisley.
" 30	"	63966 D. A. Cameron & Co., Owen Sound.	3 "	78 Nut. Drug & Chem. Co., Toronto.	Nut. Drug & Chem. Co., Toronto.	

"	30		6396 D. A. Cameron & Co., Owen	78	Nat. Drug & Chem. Co., Toronto.
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May	1	Malt Extract	63967 H. E. Middletons, Owen	3 lots	Sleeman & Sons, Guelph.....
	4	"	63968 T. A. La Joncaud, Burling	3 "	45 Reinhardt Salvador Brew Co., Toronto.....
"	5	"	63969 J. W. Gerris, 24 James st.	3 "	78 Nat. Drug & Chem. Co., Hamilton.....
"	5	"	N. N. Hamilton Park & Parkes, Market	3 "	78 Grant Spring Brew. Co., Hamilton.....
"	6	"	Square, Hamilton.	3 "	45 J. Labatt & Co., London.....
"	6	"	Nat. Drug & Chem. Co., 3	3 "	Diamond Mfg. for vendor.
"	6	"	Hamilton.	3 "	Blue Ribbon.....
"	6	"	67018 Park & Parke, Market	3 "	96 Jahr Wyeth & Bros., Philadelphia.....
			Square, Hamilton.	3 "	Wyeth.....

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

April 21	Malt Extract	54772 W. R. Holmes, Clinton	3 lots	90 O'Keeffe's, Toronto.....
" 22	"	54782 Alex. Wilson, Seaforth	3 "	1.05 John Wyeth & Bros., Montreal.....
" 22	"	54784 Chas. Aberhart, Seaforth	3 "	75 Carling B. & M. Co., London.....
" 23	"	54790 C. Cunningham, St. Mary's	3 "	45 John Labatt, London.....
" 25	"	54793 Standard Drug Co., London	3 "	45 Reinhardt Salvador Brew. Co., Toronto.....
" 25	"	54795 T. N. Sumner, London	3 "	45 Walkerville Brew. Co., Walkerville.....
" 25	"	54796 W. T. Strong, London	3 "	75 Pabst Brew. Co., Milwaukee.....
May 4	"	54631 D. Donaldson, Sarnia	3 "	40 Brit. Amer. Brew. Co., Windsor.....
" 5	"	54619 J. M. Robie, Petrolia	3 "	78 Sleeman & Sons, Guelph.....

DISTRICT OF MANITOBA—A. C. LARIVIÈRE, INSPECTOR.

April 26	Malt Extract	61291 Whaley Drug Store, Sargent	3 lots	78 Nat. Drug & Chem. Co., Hamilton.....
" 27	"	61292 J. R. Robinson, Ellice st.	3 "	11 John Wyeth Bros., Montreal.....
May 11	"	61293 P. F. Braund, Portage ave.	3 "	78 Carling, London.....
" 26	"	61294 Smith's Drug Store, Souris	3 "	1.56 Martin Bole, Wynne Co., Winnipeg.....
" 26	"	61295 Macpherson & Iurnets, Souris	3 "	1.06 Davis & Lawrence, Montreal.....

BULLETIN No. 326—TABLE I, PART I.—MALT EXTRACT.

Date of Collection.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Remarks and Opinion of the Chief Analyst.
				Manufacturer.	Furnisher.	
				Quantity.	Quantity.	
DISTRICT OF SASKATCHEWAN—L. H. HALL, INSPECTOR.						
1915.						
April 27	Malt Extract.	66358 Rooney's Pharmacy, Swift Current.	3 lots. 1.20	John Wyeth & Bro., Nat. D. & C. Co., Philadelphia.	.....
" 28	"	66361 C. H. Morrison, Gull Lake.	3 "	1.10 Carling B. & M. Co., London.	.....
May 1	"	66374 L. C. Gilmore, Moose Jaw.	3 "	1.06 Lyman's Ltd., Montreal.	.....
DISTRICT OF ALBERTA—A. W. MARKLEY, INSPECTOR.						
April 30	Malt Extract.	52140 H. Graydon, Edmonton.	3 lots. 3.00	Davis Co., Wallerville.	.....	Malt Extract genuine.
" 30	"	52141 " "	3 "	1.20 Palet, Milwaukee.	.....
" 30	"	52142 " "	3 "	1.20 John Wyeth & Bros., Montreal.	.....	Wyeth's
" 30	"	52143 Findley Drug Co., Calgary.	3 "	2.25 Burroughs Wellcome Montreal.	.....
May 18	"	52144 McDermid Drug Co., Calgary.	3 "	1.50 Allen & Hanbury, London, Eng.	.....	Kepler.
" 18	"	52145 " "	3 "	3.45 Maltine Mfg. Co., Toronto.	.....	Bynin.
" 21	"	52153 Nat. Drug & Chem. Co., Calgary.	3 "	55 Carling B. & M. Co., London.	.....	Maltine
June 15	"	52189 P. W. McNabb, Brooks.	3 "	1.65 " "	.....	Malt Extract genuine.
						Carling's.

DISTRICT OF NEW YORK MOUNTAINS THOS. PARKER, INSPECTOR.

June 15	"	52189	P. W. McNabb, Brooks.	3	"	1.65	London, Ont.	Carling's, ...
April 26	"	61801	E. W. Hazewood, Trail.	3 bots.	1.05	Carling B. & M. Co., London, Ont.	Malt Extract, genuine.	
" 26	"	61802	" "	3 "	1.50	National Drug & Chemical Co., Vancouver.	Malt Extract, genuine.	
May 20	"	61819	Cranbrook Drug Co., Cranbrook.	3 "	1.00	Davis & Lawrence, Montreal.	"	
" 20	"	61823	Battle Murphy Co., Cranbrook.	3 "	1.50	John Wyeth & Bros., Montreal.	"	
June 10	"	61838	W. Bews, Revelstoke.	3 "	3.10	Lorimer & Co., London, England.	Malt Extract. Diastatic value. Low, otherwise genuine.	
" 10	"	61839	" "	3 "	1.10	J. A. Teperton & Co., Cremo Malt, Vancouver.	"	

DISTRICT OF VANCOUVER—E. J. MORGAN, INSPECTOR.

May 26	"	53276	11 Ryal, Columbia St., New Westminster.	3 bots.	1.00	Carling, London.	Malt Extract, genuine.
" 27	"	53277	D. S. Curtis & Co., Columbia St., New Westminster.	3 jars.	1.00	National Drug & Chemical Co., Vancouver.	Sold as Cremeo Malt.
" 27	"	53278	McLennan's Drug Store, Columbia St., New Westminster.	3 bots.	1.00	Unknown.	"
" 27	"	53279	Owl Drug Co., Duncanair and 3 Granville St., Vancouver.	3 "	1.05	John Wyeth & Bros., Montreal.	"
" 27	"	53280	Georgia Pharmacy, 3 Granville St., Vancouver.	3 "	1.06	Pabst Brewing Co., Milwaukee.	"
" 27	"	53281	Hude-n's Bay Co., Granville St., Vancouver.	3 "	75	Inn, Schlitz Brewing Co., Milwaukee.	Schlitz's Malt Tonic, Maltovin.
" 28	"	53282	W. M. Harrison & Co., Ltd., 3 corner, 19 Hastings St. W., Vancouver.	3 "	1.00	Davis & Lawrence, Co., Montreal.	"
" 28	"	53283	" "	3 "	1.00	Carl Hoffman, Hamburg, Germany.	"
" 28	"	53284	Woodworth Dept. Stores, 3 Hastings St., Vancouver.	3 "	1.06	Anheuser Busch Brewing Assn., St. Louis.	Malt Mixture.

DISTRICT OF VICTORIA—D. O'SULLIVAN, INSPECTOR.

May 27	"	68712	Windsor Grocery Co., 817 1/2 St., Victoria.	1.05	Pabst Brewing Co., Milwaukee.	Pabst, ...
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BULLETIN No. 326—TABLE I, PART I.—MALT EXTRACTS.

Date of Collection	Nature of Sample	Name and Address of Vendor	Cost	Name and Address of Manufacturer or Furnisher, as given by the Vendor	Manufacturer	Furnisher	Inspector's Report (Is not an expression of opinion.)	Remarks and Opinion of the Chief Analyst.
DISTRICT OF VICTORIA—Concluded.								
1915.	June 11	Malt Extract	66741 F. J. Williams, 613 Fort St., 1 bot., 1 2/3 lb. L. L. Gibson, Toronto, Victoria.	75 Burroughs Wellcome & Co., London, Eng.	John Wyeth & Bros., Montreal.	Maline	Malt Extract, genuine.	
"	14	"	66745 Terry's Drug Store, 705 Fort St., Victoria.	75 Burroughs Wellcome & Co., London, Eng.	John Wyeth & Bros., Montreal.	Kepler	Malt Extract, genuine.	
"	14	"	66747 Hall & Co., 702 Yates St., Victoria.	75 Burroughs Wellcome & Co., London, Eng.	John Wyeth & Bros., Montreal.	Barlex	Malt Extract, genuine.	
"	15	"	66751 W. Jackson & Co., 1112 Fort St., Vancouver.	90 John Wyeth & Bros., Montreal.	John Wyeth & Bros., St. Louis.	Maline	Malt Extract, Diastatic value, Low, otherwise genuine.	
"	15	"	66753 John Grahame, 1300 Douglas St., Vancouver.	120 Anheuser Busch, St. Louis.	John Grahame, 1300 Douglas St., Vancouver.	Maline	Malt Extract, Diastatic value, Low, otherwise genuine.	
"	15	"	66754 National Drug & Chemical Co., Victoria.	75 Holden & Co., Montreal.	John Grahame, 1300 Douglas St., Vancouver.	Maline	Malt Extract, Diastatic value, Low, otherwise genuine.	
"	21	"	66758 H. O. Kirkham & Co., 7413 Fort St., Victoria.	75 Jno. Schlitz Brewing Co., Milwaukee.	H. O. Kirkham & Co., 7413 Fort St., Victoria.	Maline	Malt Extract, Diastatic value, Low, otherwise genuine.	

BULLETIN No. 326—TABLE I, PART II—MALT EXTRACTS.

Name of Inspectional District.	No. of Samples.	Results of Analysis.									No. of Samples.	Remarks and Opinions of the Chief Analyst.		
		Aleohol.	By Volume.	By Weight.	Precipitate.	Correct by Weight.	Sugar.	Wt. of Original Material.	Extractive Orginal Malt.	Dissolve of Fer- mentation.	Maltose.	Dissolve Value.	Dissolve Luster.	
Nova Scotia . . .	54051 1.02820 54052 1.03833 54053 1.330	p. c. p. c. p. c.	3.46 3.66 6.10	4.46 4.78 7.69	7.47 8.03 13.3	7.33 11.22 71.3	1.0523 1.0764	13.19 17.57	44.5 36.1	0.308 2.63	0.7040 1.760	0.069 0.176 0.790	None. " " "	54051 54052 54053 Malt Extract. Low diastatic value and somewhat low soluble solids.
Prince Edward Island . . .	60130 1.02041 60131 1.08909 60132 1.0179 60133 1.05236	p. c. p. c. p. c. p. c.	4.06 3.69 4.11 2.64	5.06 4.49 4.14 3.19	8.90 7.87 6.25 5.38	8.90 11.50 6.69 14.26	1.0562 1.0769 1.0468 1.0738	14.16 17.68 48.5 19.33	50.6 35.0 48.5 8.53	2.24 2.58 2.07 0.53	0.2418 0.3658 0.2522 0.2288	0.088 0.168 0.057 0.162	None. None. " "	60130 60131 60132 60133
New Brunswick . . .	66046 1.03622 66047 1.05896 66048 1.0195 66049 1.0475 66050 1.250	p. c. p. c. p. c. p. c. p. c.	3.92 1.59 3.16 2.16 8.22	4.96 5.59 6.93 2.70 10.2	7.25 8.59 6.34 4.74 17.9	8.30 10.80 15.46 12.92 55.50	1.0717 1.0712 1.0467 1.0261 0.6533	17.96 17.75 13.2 12.43 16.3	39.5 48.5 46.4 2.43 20.8	2.81 4.71 4.42 4.43 8.21	0.3922 0.188 0.2526 0.056 0.308	0.188 0.194 0.180 0.046 0.370	"	66046 66047 66048 66049 66050
Quebec City . . .	66051 1.356 66052 1.03778 66053 1.01531 66054 1.0575 66055 1.06117 66056 1.0106 66057 1.02711 66058 1.03518 66059 1.02519 66060 1.03522 66061 1.0449 66062 1.0185 66063 1.400 66064 1.358	p. c. p. c.	4.45 5.57 4.41 4.45 4.32 5.58 4.10 5.10 6.37 8.00 3.65 2.36 4.16 7.29 "	5.37 9.75 4.27 5.23 5.32 9.00 6.14 5.10 11.16 11.48 4.56 2.96 4.16 7.46 "	7.90 11.45 7.40 5.23 5.32 9.00 4.63 5.10 11.16 11.48 8.00 12.19 6.21 7.80 "	1.0775 1.0442 1.0475 1.0470 1.0732 1.0713 1.0479 1.0732 1.0732 1.0713 1.0839 1.0474 1.0478 Kepler Malt Extract with glycerophosphate. "	19.12 40.0 53.4 17.7 35.2 2.67 1.13 0.352 0.208 0.252 8.57 7.45 0.312 0.277 1.250	0.730 0.335 0.294 0.176 0.210 0.050 0.086 0.118 0.086 0.086 0.027 0.027 0.036 0.356	0.102 Salicylic None. "	66051 66052 66053 66054 66055 66056 66057 66058 66059 66060 66061 66062 66063 66064 66065				

BULLETIN No. 326—TABLE I. PART II—MALT EXTRACTS.

Name of Inspected District.	No. of Samples	Results of Analysis.						Remarks and Opinion of the Chief Analyst.
		Alcohol, p.c.	Acetol, p.c.	By weight Sp. gr. at 15° C.	By volume Sp. gr. of Samples	Barometer weight Sp. gr. of Dilution	Precipitate P ₂ O ₅	
Quebec City	56370	Kepfer Malt Extract with Hempseed Oil	p.c.	p.c.	p.c.	p.c.	p.c.	56370 Malt Extract neutralized.
	56371	"	"	"	"	"	"	"
Quebec Province	56372	1.0156	2.00	2.71	1.40	1.0619	15.76	56371
	281	1.0184	3.29	4.12	5.28	1.0624	15.67	56372
	287	1.0346	3.18	3.98	6.97	1.0624	15.67	273
	36457	1.0386	4.11	5.15	9.01	1.0649	15.71	287
	36463	1.0186	3.33	4.18	7.32	6.21	1.0473	12.01
	36467	1.0446	2.42	3.04	5.32	12.31	1.0649	16.23
	67306	1.0741	1.81	2.27	3.99	12.77	1.0621	15.60
	67309	1.0259	2.38	3.00	5.25	11.70	1.0622	15.63
	67390	1.0366	3.71	4.65	8.13	10.93	1.0605	15.45
	67396	1.0386	3.53	4.42	7.74	11.57	1.0707	17.63
	67398	1.0485	2.17	2.72	4.76	13.39	1.0665	16.62
	67399	1.0562	1.81	2.27	3.99	13.46	1.0645	16.23
	67397	1.0446	2.36	3.21	5.61	12.41	1.0664	16.26
	67409	1.0260	4.17	5.16	9.01	8.61	1.0635	15.92
	67310	1.0364	2.39	3.00	5.25	11.69	1.0666	16.64
	67313	1.0170	1.87	2.35	4.12	12.85	1.0629	15.78
	67316	1.0383	4.06	5.06	8.98	11.00	1.0726	18.06
	67317	1.0173	3.41	4.27	7.49	11.92	0.0171	11.99
	67318	1.0382	2.32	2.98	5.13	15.63	1.0775	19.19
	67319	1.0354	3.06	3.83	6.72	10.82	1.0631	16.06
	67320	1.0328	2.50	3.14	5.45	9.56	1.0540	13.61
	67321	1.0190	3.42	4.22	5.98	10.72	1.0605	15.34
	67322	1.0370	2.72	3.42	6.76	11.42	1.0605	15.34
	67323	1.0286	4.06	5.06	8.06	5.01	1.0454	11.36
	67324	1.0189	3.82	4.76	8.38	9.36	1.0725	17.08
	67325	1.0387	2.75	3.51	6.82	1.0460	11.65	17.18
	67326	1.0387	1.25	1.71	2.75	15.36	1.0688	17.22

BULLETIN No. 326—TABLE I, PART II—MALT EXTRACTS.

Name of Inspectorial District.	No. of Samples	Results of Analysis.												Remarks, and Opinion of the Chief Analyst.		
		Alcohol.			Sp. Grav. 13°/5°C.			Hg weight			Sp. Grav. of Extract			Preservative Value		
		p.e.	p.c.	p.c.	p.e.	p.c.	p.c.	Hg weight	Sp. Grav. of Extract by weight.	Sp. Grav. of Original Malt	Extract in Original Weight	Degree of ferment.	Ash	Digestive Value	No. of Sample	
Hamilton—Con.	67000	1.0208	3.41	3.27	7.49	6.93	1.650*	12.85	.....	.....	.....	.....	.....	None.	67000	
Hamilton—Con.	67015	1.0182	4.06	5.08	6.52	1.0345	15.73	.....	.....	.....	.....	.....	.....	None.	67015	
Hamilton—Con.	67015	1.0134	2.17	2.72	4.76	11.94	1.0614	15.45	.....	.....	.....	.....	.....	None.	67015	
Windsor	54772	1.0172	5.72	7.15	12.75	6.99	1.0702	17.52	.....	.....	.....	.....	.....	None.	54772	
Windsor	54782	1.0485	2.38	3.06	3.21	13.29	1.0835	17.11	.....	.....	.....	.....	.....	None.	54782	
Windsor	54784	1.0164	3.41	4.27	7.49	5.80	1.0465	11.77	.....	.....	.....	.....	.....	None.	54784	
Windsor	54786	1.0136	4.94	6.17	10.81	5.48	1.0576	14.32	.....	.....	.....	.....	.....	None.	54786	
Manitoba	54788	1.0121	3.47	4.34	7.61	4.71	1.0427	10.82	.....	.....	.....	.....	.....	None.	54788	
Manitoba	54795	1.0125	6.06	7.48	15.11	5.87	1.0678	16.94	.....	.....	.....	.....	.....	None.	54795	
Manitoba	54796	1.0374	3.29	4.12	7.23	10.95	1.0683	16.57	.....	.....	.....	.....	.....	None.	54796	
Manitoba	54813	1.0256	2.51	3.21	5.61	10.75	1.0594	14.99	.....	.....	.....	.....	.....	None.	54813	
Manitoba	54819	1.0378	3.39	4.49	7.87	11.18	1.0686	17.36	.....	.....	.....	.....	.....	None.	54819	
Manitoba	61291	1.0165	4.87	6.10	10.67	6.50	1.0631	15.38	.....	.....	.....	.....	.....	None.	61291	
Alberta	61292	1.0176	2.11	2.62	4.64	12.94	1.0651	16.27	.....	.....	.....	.....	.....	None.	61292	
Alberta	61293	1.0198	3.29	4.12	7.23	5.36	.....	.....	.....	.....	.....	.....	.....	None.	61293	
Alberta	61294	1.0346	3.30	4.49	7.87	9.00	.....	.....	.....	.....	.....	.....	.....	None.	61294	
Saskatchewan	61295	1.0168	2.50	3.14	5.49	11.91	1.0641	16.05	.....	.....	.....	.....	.....	Trace.	61295	
Saskatchewan	66358	1.0483	1.94	2.43	4.26	13.04	1.0641	16.05	.....	.....	.....	.....	.....	None.	66358	
Saskatchewan	66361	1.0292	2.78	3.49	6.10	6.45	1.0442	11.20	.....	.....	.....	.....	.....	"	66361	
Alberta	52140	1.0349	2.44	3.07	6.37	3.97	1.0353	14.01	.....	.....	.....	.....	.....	None.	52140	
Alberta	52141	1.0374	3.60	4.5	7.9	11.24	.....	.....	.....	.....	.....	.....	.....	Sulphuric acid.	52141	
Alberta	52142	1.0441	2.24	2.8	5.0	12.35	.....	.....	.....	.....	.....	.....	.....	Sulphuric acid.	52142	
Alberta	52143	1.451	0.00	0.00	10.7	18.8	82.16	.....	.....	.....	.....	.....	.....	Malt Extract. Genuine.	52143	
Alberta	52144	1.2434	8.60	10.7	18.8	38.44	.....	.....	.....	.....	.....	.....	.....	Liquid. Genuine.	52144	
Alberta	52145	1.3216	3.11	3.9	6.8	71.84	.....	.....	.....	.....	.....	.....	.....	Malt Extract. Genuine.	52145	
Alberta	52153	1.0173	3.36	4.2	7.4	5.81	.....	.....	.....	.....	.....	.....	.....	Sulphuric acid.	52153	

5244	1.2334	8.60	10.7	18.8	25.3	57.40	1.20	0.48	39.1	52.45 Malt Extract.
5245	1.3216	3.11	3.9	6.8	71.84	0.6	0.6	0.6	52.45 Sulphur.	None.
5245	1.0173	3.36	4.2	7.4	5.81	0.25	0.25	0.25	52.45 Sulphur.	None.
										52.45 Sulphur.

Rocky Mountains.										
61801	1.0171	3.41	4.0	7.1	5.74	0.25	0.25	0.25	54.6	61802 Malt Extract. Genuine.
61801	1.0167	3.48	4.4	7.6	5.80	0.25	0.25	0.25	54.6	61802 Malt Extract. Genuine.
61802	1.424	0.00	2.24	2.8	4.9	81.60	73.88	1.44	0.54	61802 Malt Extract. Genuine.
61819	1.0391	2.24	2.8	4.9	13.29	0.25	0.25	0.25	0.18	61819 None.
61823	1.0476	2.17	2.7	4.8	13.21	0.25	0.25	0.25	0.15	61823 None.
61838	1.429	0.00	2.17	2.7	4.8	81.96	56.40	1.32	0.59	61838 Malt Extract; diastatic value low. Otherwise genuine.
61839	1.0014	5.08	6.3	11.1	2.41	0.25	0.28	0.28	0.06	61839 None.
63276	1.0167	3.42	4.3	7.5	5.70	0.25	0.27	0.27	0.06	63276 None.
63277	1.425	0.00	2.24	2.8	4.9	81.72	72.60	1.40	0.50	63277 Malt Extract. Genuine.
55278	1.0028	4.77	5.9	10.4	2.87	0.25	0.44	0.22	0.05	55278 None.
55279	1.0154	2.25	2.8	4.9	12.35	0.25	0.49	0.31	0.16	55279 None.
55280	1.0355	3.77	4.7	8.3	10.72	0.25	2.41	0.35	0.17	55280 None.
55281	1.0300	3.36	4.2	7.4	9.49	0.25	2.46	0.26	0.09	55281 None.
55282	1.0345	2.70	3.4	6.0	9.83	0.25	7.35	0.34	0.15	55282 None.
55283	1.0138	4.11	5.1	9.0	5.35	0.25	1.64	0.24	0.09	55283 None.
55284	1.0003	1.43	1.8	3.2	16.02	0.25	7.38	0.38	0.15	55284 Salicylic acid.
66712	1.0367	3.57	4.5	7.9	11.11	0.25	2.36	0.38	0.18	66712 Salicylic acid.
66741	1.3908	3.25	4.0	7.1	70.80	0.25	57.72	1.24	0.46	66741 Salicylic acid.
66745	1.427	0.00	2.29	4.1	7.2	81.60	60.38	1.40	0.50	66745 Salicylic acid.
66747	1.0180	3.29	4.1	7.2	6.10	0.25	1.77	0.23	0.06	66747 Salicylic acid.
66751	1.0339	2.25	2.8	4.9	12.26	0.25	6.29	0.36	0.16	66751 Salicylic acid.
66753	1.0398	1.27	1.6	2.8	16.04	0.25	7.55	0.38	0.16	66753 Salicylic acid.
66754	1.4472	0.00	2.29	4.1	83.16	0.25	70.50	1.64	0.53	66754 Salicylic acid.
66758	1.0371	3.64	4.6	8.0	8.73	0.25	2.50	0.28	0.10	66758 Salicylic acid.

