



LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 240

BAKING POWDERS

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OTTAWA, May 28, 1912.

WM. HIMSWORTH, Esq.,
Assistant Deputy Minister,
Inland Revenue Department,
Ottawa.

SIR,—I beg to hand you a report upon 150 samples of baking powders, collected throughout Canada in October and November last.

Baking powders have been examined, in the large way, on four different occasions, since the Adulteration Act came into force, the last inspection being reported in Bulletin 174 (February, 1909).

This article warrants examination from two points of view ; first, its efficiency as a gas producer for baking purposes ; second, as regards the wholesomeness of the materials from which it is made, and the residues left in the finished bread.

So far as the present report is concerned, the baking powders found upon the Canadian markets may be arranged in four classes, on the basis of their essential acid components, as follows :—

	Samples.
Alum phosphate powders	68
Cream of tartar "	46
Acid phosphate "	31
Alum powders.....	5
Total.....	150

No complaint, upon the ground of wholesomeness, has been formulated against cream of tartar or acid phosphate powders, to my knowledge. The wholesomeness of such as contain alum, either as the sole acid component, or in combination with acid

phosphate of lime, has frequently been questioned, and is, at present, an unsettled point. The matter is now in the hands of a Referee Board at Washington, D.C., composed of men whose qualifications and character are such as to command the respect of the scientific world. I am, for this reason, unwilling to open the question of alum as a material in baking powder; preferring to await publication of the results obtained by the aforesaid Referee Board.

As regards the effectiveness of baking powders of the above classes, we have the following to record:—

68 alum phosphate powders, average	10.78	per cent gas
46 cream of tartar “ “	11.01	“ “
31 acid phosphate “ “	11.25	“ “
5 alum powders average	12.40	“ “

After much consideration of the matter, and conference with manufacturers, I am of opinion that it is reasonable to require all baking powders, as sold, to yield a minimum of ten (10) per cent available gas.

These powders, as made, usually contain a slight excess of bi-carbonate of soda, so that the further addition of an acid gives a certain further amount of gas, called residual gas. This residual gas is not available in baking, except when sour milk, or other acid ingredient is added to the bread. For purposes of judging the value of a baking powder, the available gas should alone be considered.

From this point of view thirty-five (35) samples are below standard strength, twenty-three (23) of these being more than one per cent below the standard, and several of them being much more than one per cent below. Details are as follow:—

Acid phosphate powders—

Less than one per cent below	6
More “ “	11
	— 17

Cream of tartar powders—

Less than one per cent below	6
More “ “	7
	— 13

Phosphate powders—

More than one per cent below	5
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Total. 35

It is in the nature of baking powder to deteriorate (in the sense of yielding gas) by keeping; the rate of deterioration depending much upon the hygroscopicity of the materials; their initial condition; the way in which it is packed, and the conditions under which it is stored. It is clear that so far as length of time in stock, and conditions of storage are concerned, the manufacturer of the powder is irresponsible: for this reason, the retail vendor must be held responsible for the strength (gas producing power) of the article he sells. He should assure himself of the quality of the goods he buys, for his own protection; and this is provided for in section 33 of the Act; for their condition as he sells them, he must hold himself responsible.

Since we have as yet, no legal minimum prescribed for the strength of baking powders, none of those now reported can be described as adulterated under the Act. A glance at the tables accompanying this report will show that baking powder of very varying strength is offered for sale; and will emphasize the necessity of fixing a minimum gas producing power for a legal baking powder.

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

A. MCGILL,
Chief Analyst.

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—

1911.							
Oct.	16	Baking Powder.	46711 F. L. Seldon & Son, 3 pkgs	25	E. W. Gillett Co., Toronto.	Unknown	
"	18	"	46712 H. C. Barnaby & Son, 3 "	45	Nat. Drug Co., Halifax, N.S.	Mfrs.	
"	18	"	46713 H. E. Hall, Bridge-water, N.S.	30	E. W. Gillett Co., Toronto.	Ino. Tobin & Co., Halifax.	
"	25	"	46714 Nat. Drug & Chem. Co., Halifax, N.S.	30	Vendors.		
"	25	"	46715 J. Frank Crowe Co., Ltd., Halifax.	12	E. W. Gillett Co., Toronto.	Mfrs.	
"	25	"	46716 Bauld Bros., Ltd., Halifax, N.S.	10	W. M. D. Pearman, Halifax.	Mfr.	
"	26	"	46717 W. M. D. Pearman, Halifax, N.S.	10	Vendor		
"	26	"	46718 W. J. Fornstall & Co., Halifax, N.S.	15	W. M. D. Pearman, Halifax.	Mfr.	
"	27	"	46719 Wentzell's Ltd., Halifax, N.S.	25	White Swan Mills, Toronto, Ont.	Mfrs.	
"	27	"	46720 Woodhill Mfg. Co., Halifax, N.S.	10	Vendors.		

DISTRICT OF PRINCE EDWARD ISLAND—

Oct.	16	Baking Powder.	46136 John McKenna, Charlottetown, P. E. I.	45	Johnson's Powder Co., New Jersey.		
"	16	"	46137 R. T. Maddigan & Co., Charlottetown, P. E. I.	60	Johnson & Johnson, Charlottetown, P. E. I.		
"	17	"	46138 S. Sanderson & Co., Charlottetown, P. E. I.	45	E. W. Gillett Co., Ltd., Toronto, Ont.		
"	18	"	46139 M. Duffy, Charlottetown, P. E. I.	30	The St. John Coffee & Spice Mills, St. John, N. B.		
"	18	"	46140 Stewart & Son, Charlottetown, P. E. I.	30	Snowdon Forbes & Co., Montreal.		
"	20	"	46141 Kier & McFadyen, Kensington, P. E. I.	45	Nat. Drug & Chem. Co., Halifax, N.S.		
"	21	"	46142 Jas. Kennedy, Kensington, P. E. I.	60	Mayell & Co., Toronto, Ont.		
"	21	"	46143 McLellan & Co., Ltd., Summerside, P. E. I.	50	Pepsaid Baking Powder Co., Montreal.		
"	21	"	46144 Brace McKay & Co., Summerside, P. E. I.	50	Pure Gold Mfg. Co., Ltd.		
"	26	"	46145 D. J. McLean, Montague, P. E. I.	30	The Robt. Greigg Co., Ltd., Toronto.		

DISTRICT OF NEW BRUNSWICK—

Oct.	12	Baking Powder.	45570 Dearborn & Co., St. John, N.B.	30	Vendors.		
"	14	"	44571 H. W. Cole, Ltd., St. John, N.B.	22	E. W. Gillett Co., Ltd., Toronto.		
"	22	"	45572 E. W. Rowley, St. John, N.B.	30	Hamilton Coffee and Spice Co., Ltd.		

BAKING POWDERS.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			Character of Powder.	No. of sample.	Remarks and Opinion of the Chief Analyst.
	Carbon Dioxide.					
	Available	Residual	Total			

R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.			
Magic Brand.....	10.74	1.55	12.29	Alum Phosphate..	46711	
St. Gerge Brand.....	9.70	1.30	11.00	Cream of Tartar ..	46712	Below standard (slightly).
Magic Brand	6.48	1.32	7.80	Alum Phosphate..	46713	Below standard.
Sample taken from bulk.	12.65	0.72	13.37	Cream of Tartar ..	46714	
Magic Brand	7.13	1.46	8.59	Alum Phosphate..	46715	Below standard.
Woodhill's German Brand	10.15	2.82	12.97	Cream of Tartar ..	46716	
" "	8.57	1.57	10.14	" ..	46717	"
" "	7.57	0.09	7.66	" ..	46718	"
White Swan Brand.....	11.19	1.76	12.95	Phosphate.....	46719	
New Process Brand.	9.87	1.74	11.61	Cream of Tartar ..	46720	Below standard (slightly).

WM. A. WEEKS, INSPECTOR.

.....	11.62	0.43	12.05	Cream of Tartar ..	46136	
.....	11.59	1.64	13.23	" ..	46137	
.....	11.95	0.58	12.53	Phosphate.....	46138	
.....	9.76	1.24	11.00	Cream of Tartar ..	46139	Below standard (slightly).
.....	5.12	1.70	6.82	Phosphate.....	46140	Below standard.
.....	8.36	1.72	11.08	Cream of Tartar ..	46141	Below standard.
.....	11.37	0.32	11.69	Alum Phosphate..	46142	
Old Stock.....	4.86	1.74	6.60	Phosphate.....	46143	Below standard.
.....	9.46	0.06	9.52	Cream of Tartar ..	46144	Below standard (slightly).
.....	7.16	0.94	8.10	Phosphate.....	46145	Below standard.

J. C. FERGUSON, INSPECTOR.

Perfect brand.....	13.09	65	13.74	Cream of Tartar ..	45570	
.....	12.46	68	13.14	Phosphate.....	45571	
Invincible 402. McLaren's purity, not guaranteed.	8.94	62	9.56	Cream of Tartar ..	45572	Below standard.

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 NEW BRUNSWICK—

1911.							
Nov.	7	Baking Powder	45573 The Yersa Grocery Co., Fredericton, N.B.	3 pkgs	40	Dearborn & Co., St John, N.B.	
"	8	"	45574 Wolyerton & Gibson, Woodstock, N.B.	3 "	45	Tollhunter Mitchell & Co., Toronto.	
"	10	"	45575 F. D. Saller, Perth, N.B.	3 "	48	Royal Baking Powder Co., New York.	
"	14	"	45576 J. A. Davidson, Sussex, N.B.	1 "	25	Nat. Drug & Chem. Co., Ltd., Canada.	
"	15	"	45577 J. A. Roy, Moncton, N.B.	3 "	30	E. W. Gillett Co., Ltd., Toronto.	
"	16	"	45578 George Stables, Newcastle, N.B.	3 "	45	Hamilton Coffee and Spice Co., Hamilton, Ont.	
"	17	"	45579 W. J. Kent & Co., Ltd., Bathurst, N.B.	3 "	30	E. W. Gillett & Co., Ltd., Toronto, Ont.	

DISTRICT OF QUEBEC—

Oct.	12	Baking Powder.	37328 Gantin & frere, 271 Rue St. Joseph, Que.	3 pks	30	Unknown.	Unknown
"	13	"	37329 G. Gingras, 268 Rue du Ron, Que.	3 "	30	McLaren's, Hamilton Mfrs.	
"	16	"	37330 O. Lacroix, 19 Rue St. Joseph, Que.	3 "	39	E. R. Dunkee.	J. B. Renaud & Cie
"	16	"	37331 " " " "	3 "	15	W. D. McLaren.	N. Turcot & Cie
"	16	"	37332 " " " "	3 "	30	La National, 46 Rue J. B. Renaud & frere St. Pierre, Que.	
"	16	"	37333 " " " "	3 "	20	Duffy & Co., Montreal	J. B. Renaud & Cie
"	16	"	37334 J. E. Gregoire, 128 Rue du Pont, Que.	3 "	30	E. W. Gillett Co., Mfrs., Ltd., Toronto.	
"	17	"	37335 W. Cantin, 133 Rue du Pont, Que.	3 "	21	Unknown.	Unknown
"	17	"	37336 " " " "	3 "	45	J. J. Duffy, Montreal	
"	19	"	37337 Elzear Gagnon, 138 Rue D'Orchester, Que.	3 "	30	E. R. Dunkee, Mont-Belard et frere, Que. real.	

DISTRICT OF ST. HYACINTHE—

Oct.	25	Baking Powder.	1182 J. A. Menard, Farnham.	1 box.	10	The F. F. Dalley Co., Ltd., Hamilton.	
"	25	"	1183 J. E. Baillargon, Farnham.	3 "	30	E. W. Gillett Co., Ltd., Toronto.	
"	26	"	1184 Levis Bergeron, Waterloo, P.Q.	1 "	15	Unknown.	
"	26	"	1185 Boright & Safford, Sutton, P.Q.	1 "	20	The Brodies Mfg. Co., Montreal.	
Nov.	6	"	1186 May & Houlahan, Sherbrooke, P.Q.	1 "	25	W. D. McLaren, Ltd., Montreal.	
"	8	"	1187 J. O. Moreau, Megantic.	1 "	25	Herron Leblanc, Ltd., Montreal.	

BAKING POWDERS.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS			Character of Powder.	No. of Sample.	Remarks and opinion of the Chief Analyst.
	Carbon Dioxide.					
	Available	Residual	Total			

J. C. FERGUSON, INSPECTOR—Continued.

	p. c.	p. c.	p. c.		
.....	11 11	86	11 97	Cream of Tartar.	45573
.....	11 38	46	11 54		45574
.....	11 82	39	12 21		45575
St. George brand.	8 45	1 11	9 56		45576 Below standard.
.....	12 39	40	12 79	Phosphate.....	45577
McLaron's Invincible. . .	8 42	93	9 35	Cream of Tartar..	45578 Below standard.
.....	12 70	28	12 98	Phosphate	45579

E. X. W. E. BELAND, INSPECTOR.

.....	13 20	60	13 80	Phosphate	37328
.....	10 90	1 50	12 40	Alum Phosphate..	37329
.....	13 50	20	13 70	Cream of Tartar & a little phosphate	37330
.....	9 90	1 10	11 00	"	37331 Below standard (slightly).
.....	14 40	80	15 20	Alum.....	37332
.....	10 80	30	11 10	Alum Phosphate..	37333
.....	11 40	1 20	12 60	Phosphate	37334
.....	12 50	60	13 10	Cream of Tartar & a little phosphate	37335
.....	10 70	1 20	11 90	Alum Phosphate..	37336
.....	12 00	20	12 20	Cream of Tartar & a little phosphate	37337

J. C. ROULEAU, INSPECTOR.

Guaranteed pure by mfrs.	10 53	1 44	11 97	Alum Phosphate..	1182
.....	11 80	0 33	12 13	Phosphate.....	1183
Box marked Fabrique pour Louis Bergeron.	12 75	1 23	13 98	"	1184
.....	13 14	0 59	13 73	Alum Phosphate..	1185
Cook's Friend.....	10 33	1 07	11 40	Cream of Tartar.	1186
Yeastme	12 44	2 62	15 06	Alum Phosphate ..	1187

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 ST. HYACINTHE—

1911.							
Nov. 9	Baking Powder.		1188 D. S. Bachand, Coati cook.	1 box.	20	The Brodies, Montreal.	
" 10	"		1189 C. H. Kathan, Rock Island, P.Q.	1 "	25	Royal Baking Powder, New Jersey.	
" 22	"		1191 R. Goulet, Sorel.	3 "	15		J. V. Boudrais, Montreal.
" 23	"		1192 E. Brunnette, St. Hyacinthe.	3 "	15	O. Lefebvre, Montreal.	

DISTRICT OF MONTREAL—

Oct. 17	Baking Powder	40921	O. Sansregret, 500 Du-luth Ave. E., Montreal.	3 tins.	15	Unknown.	
" 18	"	40922	G. W. Barsalo, 9067 St. James St., Montreal.	3 "	30	S. H. Ewing & Sons, Montreal.	
" 18	"	40923	J. O. Poupard, 340 Seigneurs St., Montreal.	3 "	45	Alredie Pure Food Co., Ltd., Montreal.	
" 18	"	40924	U. Bosquet, 892 Notre Dame West, Montreal.	3 "	30	E. W. Gillett Co., Ltd., Toronto.	
" 18	"	40925	" " " "	3 "	15	Ocean Mills, Montreal.	
" 18	"	40926	Archambault freres, 747 Notre Dame West, Montreal.	3 "	30	J. J. Duffy & Co., Montreal.	
" 19	"	40927	Harris & Co., 158 De Montigny E., Montreal.	3 "	30	Canada Coffee and Spice Mills, Montreal.	
" 19	"	40928	H. Lagace, 252 Amherst St., Montreal.	3 "	25	Windsor Mills, H. L. Co., Ltd., Montreal.	
" 19	"	40929	Thomas Dulude, 486 Lagachetiere St., Montreal.	3 "	45	Bijou Mills, Montreal.	
" 19	"	40930	J. V. Boudrais, 223 Notre Dame East, Montreal.	3 "	25	Vendor.	

DISTRICT OF OTTAWA—

Oct. 10	Baking Powder.	49031	Alex. Sibbitt, Carleton Place.	3 tins.	30	German, Eckert & Co., Ltd., London, Ont.	
" 12	"	49032	E. C. Armand, Atn prior.	3 "	45	"	
" 13	"	49033	Mundie & Percival, Kemptville.	3 "	75	Unknown.	Unknown
" 14	"	49034	F. W. Forde, Ottawa.	3 "	1 50	The Brodie Mfg. Co., Montreal.	
" 16	"	49035	Jas. E. Lindsay, Alton, onto.	3 "	30	The J. J. Farming Co., Ottawa, Ont.	H. N. Bate & Sons, Ltd., Ottawa.
" 20	"	49036	J. T. Kearns, Chester ville.	3 "	1 50	Mayell & Co., Toronto.	

BAKING POWDERS.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.			Character of Powder.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Carbon Dioxide.					
	Available.	Residual.	Total.			
J. C. ROULEAU, INSPECTOR—Continued.						
	p.c.	p.c.	p.c.			
Red Rose.....	9.68	1.99	11.67	Alum Phosphate..	1188	Below standard (slightly).
Royal.....	12.47	0.47	12.94	Cream of Tartar	1189	
White Rose.....	9.52	0.53	10.05	Alum Phosphate..	1191	Below standard (slightly).
Ocean.....	6.32	5.79	12.11	"	1192	Below standard.
J. J. COSTIGAN, INSPECTOR.						
Put up specially for ven- dor.	8.60	0.30	8.90	Alum Phosphate..	40921	Below standard.
Star Brand.....	12.10	0.20	12.30	"	40922	
Alredie.....	9.30	1.60	10.90	Cream of Tartar and trace of phos- phate.	40923	Below standard (slightly).
Magic.....	12.50	0.60	13.10	Phosphate.	40924	
Ocean.....	9.60	2.80	12.40	Alum Phosphate..	40925	Below standard (slightly).
Cooks Favourite.....	10.30	0.80	11.10	"	40926	
Mount Royal.....	10.80	0.40	11.20	"	40927	
New York.....	13.30	0.70	14.00	"	40928	
Crown.....	7.60	1.60	9.20	"	40929	Below standard.
White Rose.....	11.30	0.10	11.40	"	40930	
J. A. RICKEY, INSPECTOR.						
Forest City.....	10.50	0.30	10.80	Alum Phosphate..	49031	
Maple Leaf. Mfg. for Vendor.	13.80	0.20	14.00	"	49032	
.....	10.30	0.60	10.90	Alum and a little phosphate.	49033	
Red Rose. Strong pure and wholesome.	12.90	2.60	15.50	Phosphate.....	49034	
Farming's Malt.....	15.40	1.10	16.50	Alum.....	49035	
Art. Guaranteed abso- lutely pure.	7.30	2.30	9.60	Alum Phosphate..	49036	Below Standard.

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							
1911.							
Oct. 25	Baking Powder.	49037	A. E. Row & Co., Ltd., Ottawa.	3 tins.	30	C. H. Cochrane, Ottawa.	
" 25	" ..	49038	I. Hoyle, Clarence st., Ottawa.	3 "	15	W. D. McLaren, C. Major, Ltd., Ottawa.	
" 25	" ..	49039	L. Mabette, Murray st., Ottawa.	3 "	27	Lester Pure Food Co., Ltd., Toronto.	
" 25	" ..	49040	P. Lamoignon & Co., Dalhousie st., Ottawa	3 "	45	Royal Baking Powder Provost & Allard, Co., New Jersey, Ottawa.	
DISTRICT OF KINGSTON							
Nov. 1	Baking Powder.	48584	Geo. Gibson, Kingston.	3 tins.	30	Gillett, Ltd., Toronto.	
" 1	" ..	48585	C. H. Pickering, Kingston.	3 "	30	" ..	
" 2	" ..	48586	M. Nolan, Kingston.	3 "	45	Royal Baking Powder ..	
" 2	" ..	48587	J. Crawford, Kingston.	3 "	45	F. F. Dalley, Hamilton.	
" 2	" ..	48588	J. Lennon, Kingston.	3 "	45	Vendor ..	
" 2	" ..	48589	J. McCulla, Kingston.	3 "	45	Cleveland's Baking Powder.	
" 2	" ..	48590	M. Purcell, Kingston.	3 "	30	F. F. Dalley, Hamilton.	
" 2	" ..	48591	J. R. E. Gage, Kingston.	3 "	45	Gage Bros., Hamilton.	
" 2	" ..	48592	W. Powers, Kingston.	3 "	39	Powers ..	
" 2	" ..	48593	J. Rodden, Kingston.	3 "	45	Royal Baking Powder ..	
DISTRICT OF TORONTO							
Oct. 18	Baking Powder.	47395	D. J. Donovan, Walnut St., Hamilton.	3 pkg.	30	McLarens Ltd., Hamilton.	
" 18	" ..	47396	Norman & Co., 97 Main St. West, Hamilton.	3 "	15	Vendors ..	
" 20	" ..	47397	E. W. Gillett Co. Ltd., Toronto.	3 "	20	" ..	
" 20	" ..	47398	The White Swan Spice and Cereals, Ltd., Toronto.	3 "	20	" ..	
" 24	" ..	47399	H. G. Ainslie, Owen Sound.	3 "	30	" ..	Young-Windfield, Ltd., Hamilton.
" 25	" ..	47400	Wheeler Bros., Collingwood.	3 "	30	Lester Pure Food Co., Ltd., Toronto.	
" 27	" ..	49301	J. A. Brown, Collingwood.	3 "	30	" ..	
" 27	" ..	49302	Jas. Chalmers, Collingwood.	3 "	45	" ..	
" 27	" ..	49303	Chas. Cheesman, Barrie.	3 "	45	White-Swan Spice and Cereal Co., Ltd., Toronto.	
Nov. 2	" ..	49304	J. S. Kyle, Ottawa.	3 "	30	Poehunter, Mitchell Mfrs. & Co., Ltd., Toronto.	

BAKING POWDERS.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			Character of Powder.	No. of Sample.	Remarks and opinion of the Chief Analyst.
	Carbon Dioxide.					
	Available	Residual	Total			
J. A. RICKEY, INSPECTOR—Continued.						
	p. c.	p. c.	p. c.			
Our Own. Mfg. for Ven- dors.	13 10	0 30	14 00	Alum Phosphate	49037	
Cook's Friend.....	10 80	0 50	11 30	Cream of Tartar & a little phosphate	49038	
Thistle. Mfg. for Ven- dor.	14 90	1 60	16 10	Alum Phosphate..	49039	
Royal. Absolutely pure.	12 40	0 20	12 60	Cream of Tartar..	49040	
JAS. HOGAN, INSPECTOR.						
.....	12 20	2 50	14 70	Phosphate.....	48584	
.....	13 00	0 40	13 40	"	48585	
.....	11 10	0 30	11 40	Cream of Tartar..	48586	
.....	11 10	0 60	11 70	Alum with a little phosphate.	48587	
.....	12 70	0 40	13 10	Alum Phosphate	48588	
.....	10 30	0 60	10 90	Cream of Tartar	48589	
.....	10 80	0 20	11 00	Alum with a little phosphate.	48590	
.....	12 20	0 60	12 80	Alum Phosphate..	48591	
.....	11 20	0 40	11 60	Phosphate & trace of Alum.	48592	
.....	11 20	0 40	11 60	Cream of Tartar..	48593	
H. J. DAGER, INSPECTOR.						
'Ocean Wave'.....	11 90	1 50	13 40	Alum Phosphate..	47395	
'Red Ribbon'	12 80	2 30	15 10	"	47396	
'Magic.' Contains no alum.	11 70	0 20	11 90	Phosphate.....	47397	
White Swan. Contains no alum. Guaranteed absolutely pure.	12 20	1 80	14 00	"	47398	
'Mother's Choice'	10 50	1 10	11 60	Phosphate and trace of alum.	47399	
'Wheeler Bros.' Put up for vendors by mfrs.	9 70	0 80	10 50	Alum Phosphate..	47400	Below standard (slightly).
'Pure Food'.....	11 80	0 30	12 10	"	49301	
'Maple Leaf.' Put up expressly for vendors.	11 80	1 76	13 56	"	49302	
Ocean Foam. Perfectly pure. Put up for ven- dor by mfrs.	11 00	0 70	11 70	"	49303	
White Lily. Quality guaranteed.	10 42	0 87	11 29	Phosphate.....	49304	

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 WINDSOR—

1911.							
Oct. 16	Baking Powder.	47805	Chute & Smith, St. Thomas.	3 pkg.	30	E. W. Gillett Co., Toronto.	
" 16	"	47807	Moylan & Moylan, St. Thomas.	3 "	30	Gorman, Eckert & Co., London.	
" 16	"	47810	E. J. Witheford, St. Thomas.	3 "	30	I. X. L. Spice and Coffee Co., London.	
" 16	"	47811	C. J. Norsworthy, St. Thomas.	3 "	30		E. Adams & Co., London.
" 17	"	47815	J. Caron, Ridgetown.	3 3	30	E. W. Gillett Co., Ltd., Toronto.	
" 18	"	47828	I. Vandour & Son, Leamington.	3 "	30	Hamilton Spice and Coffee Co., Hamilton.	
" 18	"	47831	G. M. Sawyer, Leamington.	3 "	30	E. W. Gillett Co., Ltd., Toronto.	
" 18	"	47835	Robinson Bros., Leamington.	3 "	30	Todhunter & Mitchell, Toronto.	
" 19	"	47845	A. H. Scarff, Essex.	3 "	30	Hamilton Spice and Coffee Co.,	
" 19	"	47849	Millar & Wigle, Essex.	3 "	10	Egg-O Baking Co., Hamilton.	

DISTRICT OF MANITOBA—

Oct. 23	Baking Powder.	47428	Blue Ribbon Ltd., Winnipeg.	24 oz.	25	Vendors.	
" 23	"	47429	Campbell Bros. & Wilson, Winnipeg.	½ lb.	Nil.	"	
" 23	"	47430	The Gold Standard Mfg. Co., Winnipeg.	½ "	"	"	
" 24	"	47431	The White Star Mfg. Co., Winnipeg.	½ "	"	"	
" 24	"	47432	The Dyson Co., Winnipeg.	½ "	"	"	
" 25	"	47433	McKush & Burbanner, Winnipeg.	½ "	10	The White Star Mfg. Co., Winnipeg.	Unknown.
" 25	"	47434	Moffett & Douglas, Winnipeg.	½ "	25	The Price Baking Co., Chicago.	
" 25	"	47435	Western Mercantile Co., Ltd., Winnipeg.	½ "	10	The Gold Standard Mfg. Co., Winnipeg.	
" 25	"	47436	A. E. Kemball, Winnipeg.	½ "	15	"	
" 26	"	47437	H. Logronia, Winnipeg.	½ "	20	The Blackwood Ltd., Winnipeg.	

DISTRICT OF CALGARY—

Nov. 9	Baking Powder.	44052	Hewitt & Armstrong, Medicine Hat.	3 tins.	75	Price Baking Powder Co., Chicago.	
" 9	"	44053	A. W. Curran, Winnipeg.	3 "	45	W. A. Jamieson, Coffee Co., Victoria, B. C.	
" 15	"	44054	L. T. Mewburn & Co., Ltd., Calgary.	3 "	25	E. W. Gillett Co., Ltd., Toronto.	

BAKING POWDERS.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.			Character of Powder.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Carbon Dioxide.					
	Available.	Residual.	Total.			

JNO. TALBOT, INSPECTOR.

	p.c.	p.c.	p.c.			
Magic.	11.19	0.56	11.75	Phosphate.....	47805	
.....	8.19	0.83	9.02	Alum Phosphate..	47807	Below standard.
.....	12.96	0.41	13.37	" ..	47810	
Fan.....	12.66	1.15	13.81	" ..	47811	
.....	12.78	0.14	12.92	Phosphate.....	47815	
Ocean Wave.....	10.94	2.05	12.99	Alum Phosphate..	47825	
.....	13.70	0.26	13.96	Phosphate.....	47831	
Todhunter Excelsior...	11.23	0.05	11.28	Cream of Tartar..	47835	
Ocean Wave.	10.38	3.13	13.51	Alum Phosphate..	47845	
.....	14.74	1.96	16.70	" ..	47849	

A. C. LARIVIERE, INSPECTOR.

Blue Ribbon.....	11.47	1.20	12.67	Alum Phosphate..	47428	
Royal Shield.....	11.47	1.80	13.27	" ..	47429	
Gold Standard.....	12.65	0.65	13.30	" ..	47430	
White Star.....	9.30	2.90	12.20	" ..	47431	Below standard (slightly).
Red Cross.....	11.20	2.87	14.07	" ..	47432	
White Star.....	10.19	1.11	11.30	" ..	47433	
Dr. Price's Cream.....	12.37	0.65	13.02	Cream of Tartar ..	47434	
Gold Standard.....	10.44	1.07	12.31	Alum Phosphate.	47435	
" ..	10.36	1.29	11.65	" ..	47436	
Blackwood.....	11.88	1.37	13.25	" ..	47437	

R. W. FLETCHER, INSPECTOR.

.....	12.40	0.40	12.80	Cream of Tartar & a little phosphate	44052	
.....	12.20	1.40	13.60	Alum Phosphate..	44053	
.....	13.10	13.10	Phosphate.....	44054	

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 CALGARY—

1911.							
Nov. 15	Baking Powder.	4465	G. F. & J. Galt, Winipeg.	2 tins.	25	Blue Ribbon Mfg. Co., Ltd., Winnipeg.	
" 15	"	4466	Campbell Wilson & Horne, Calgary.	3 "	25	E. W. Gillett Co., Ltd., Toronto.	
" 15	"	4467	Georgeson & Co., Ltd., Calgary.	3 "	25	Vendor.	
" 16	"	4468	J. A. Nolan, Calgary.	3 "	75	Wm. Pryce's, Chicago, U.S.	
" 16	"	4469	Calgary Milling Co., Ltd., Calgary.	3 "	75	H. Stelling & Co., San Francisco, U.S.	
" 16	"	4460	Hudson's Bay Co., Calgary.	3 "	75	The Georgeson Co., Ltd., Calgary.	
" 16	"	4461	S. G. Freeze, Calgary.	3 "	75	"	

DISTRICT OF NELSON—

Oct. 19	Baking Powder.	4829	Crow's Nest Trading Co., Fernie, B.C.	3 tins.	45	E. W. Gillett Co., Toronto.	
" 19	"	4831	Trites Wood Co., Fernie, B.C.	3 "	30	White Star Mfg. Co., Winnipeg.	
" 19	"	4832	" " "	3 "	75	Price Baking Powder Co., Chicago.	
" 19	"	4841	Fernie Co-op. Asscn., Fernie, B.C.	3 "	1 35	E. W. Gillett Co., Toronto.	
" 19	"	4842	" " "	3 "	45	Georgeson & Co., Calgary.	
" 27	"	4845	Union Co-op. Asscn., Rossland, B.C.	3 "	1 59	Mayell & Co., Toronto.	
" 27	"	4846	" " "	3 "	75	Crescent Mfg. Co., Seattle.	
" 27	"	4865	Hunter Bros., Rossland, B.C.	3 "	60	Coldyke B. P. Co., Winnipeg.	
" 27	"	4866	" " "	3 "	76	Price B. P. Co., Chicago.	
" 28	"	4882	A. S. Horswill, Nelson, B.C.	3 "	30	Coldyke B. P. Co., Winnipeg.	

DISTRICT OF VANCOUVER—

Oct. 20	Baking Powder.	38225	Gruchy & Carlow, Granville st., Vancouver.	16 oz.	25	Eggo Baking P. Co., Regina, Sask.	
" 20	"	38226	London Grocery Co., Fairview Branch, Vancouver.	3 tins.	75	Dr. Price Co., Chicago.	
" 20	"	38227	White-Thompson Co., Granville st., Vancouver.	12 "	20	Gillett & Co., Toronto.	
" 20	"	38228	A. C. Bartig, Granville st., Vancouver.	12 "	20	Pure Gold Co., Toronto.	
" 20	"	38229	A. McFarlane, Granville st., Vancouver.	12 "	25	Coldyke Co., Winnipeg.	

BAKING POWDERS.

Inspector's Report. (Is not an expression of opinion.)	RESULTS OF ANALYSIS.			No. of Sample.	Remarks and Opinion of the Chief Analyst.	
	Carbon Dioxide.					Character of Powder.
	Available	Residual.	Total.			

R. W. FLETCHER, INSPECTOR—*Continued.*

	p.c.	p.c.	p.c.		
.....	11.30	0.20	11.50	Alum Phosphate..	44055
.....	12.60	0.20	12.80	Phosphate.....	44056
.....	12.70	0.80	13.50	Alum Phosphate..	44057
.....	12.30	0.60	12.90	Cream of Tartar & a little phosphate	44058
.....	12.30	1.10	13.40	Cream of Tartar..	44059
.....	13.60	0.20	13.80	Alum Phosphate..	44060
.....	14.00	0.60	14.60	"	44061

THOS. PARKER, INSPECTOR

.....	12.50	.40	12.90	Phosphate	48429
.....	10.50	1.10	11.60	Alum Phosphate..	48431
.....	12.00	.20	12.20	Cream of Tartar & a little phosphate	48432
.....	12.20	.60	12.80	Cream of Tartar..	48441
.....	9.60	.50	10.10	Alum Phosphate	48442 Below standard (sl glyly).
.....	10.75	1.20	11.95	"	48455
.....	8.10	.90	9.00	Phosphate and a little alum.	48456 Below standard.
.....	10.60	.80	11.40	Alum Phosphate..	48465
.....	13.00	.90	13.90	Cream of Tartar & a little phosphate	48466
.....	11.50	.30	11.80	Alum Phosphate..	48482

J. F. POWER, INSPECTOR.

Guaranteed by Mfrs.....	10.64	2.04	12.68	Alum Phosphate..	38225
Made from pure grape cream of tartar, tartaric acid, bicarbonate soda and corn starch.	12.20	.52	12.72	Cream of Tartar..	98226
Magic, phosphate, bicar- bonate soda and starch.	12.37	.41	12.78	Phosphate.....	38227
Fully warranted in every respect.	10.44	.06	10.50	Cream of Tartar..	38228
.....	10.75	1.60	12.35	Alum Phosphate..	38229

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—

1911.							
Oct.	20	Baking Powder.	38230 Jackson's Grocery, Cedar Cottage, Vancouver.	12 oz.	40	Royal Baking Powder, New York.	
"	20	"	38231 D. A. Finan, Park Drive, Vancouver.	12 "	20	Empress Mfg. Co., Vancouver.	
"	20	"	38232 T. A. Brewis, Park Drive, Vancouver.	12 "	25	Blue Ribbon Co., Winnipeg.	
"	20	"	38233 Main's Grocery, Park Drive, Vancouver.	12 "	25	Unknown.	
"	20	"	38234 Swindell & Banbury, Vancouver.	12 "	25	White Star Mfg. Co., Winnipeg.	

DISTRICT OF VICTORIA—

Oct.	25	Baking Powder.	47661 Windsor Grocery Co., Victoria, B.C.	3 pks.	75	The Pioneer Coffee & Spice Mills, Victoria, B.C.	
"	25	"	47662 " " "	3 "	75	" " "	
"	26	"	47663 The West End Grocery Co., Ltd., Victoria, B.C.	3 "	75	Nat. Drug and Chem. Co., Montreal.	
"	25	"	47664 " " "	3 "	75	Royal B. P. Co., New Jersey.	
Nov.	9	"	47665 Copas & Young, Victoria, B.C.	3 "	60	Price B. P. Co., Chicago.	
"	9	"	47666 Wm. B. Hall, Victoria, B.C.	3 "	75	A. Shilling & Co., San Francisco, Cal.	
"	13	"	47667 Erskine & Co., Victoria, B.C.	3 "	75	W. A. Jamieson Coffee Co.	
"	13	"	47668 F. E. Plummer, Victoria, B.C.	3 "	60	E. e. Ribbon, Ltd., Winnipeg.	
"	15	"	47669 D. H. Ross & Co., Victoria, B.C.	3 "	75	Crescent Mfg. Co., Seattle, Wash.	
"	15	"	47670 Harrison & McDonald, Victoria, B.C.	3 "	75	E. W. Gillett Co., Ltd., Toronto.	

BAKING POWDERS.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			Character of Powder.	No of Sample.	Remarks and opinion of the Chief Analyst.
	Carbon Dioxide.					
	Available	Residual	Total			

J. F. POWER, INSPECTOR—Continued.

	p. c.	p. c.	p. c.		
Cream of tartar, tartaric acid, bicarbonate of soda and starch.	11.80	7.61	12.41	Cream of Tartar	38230
.....	12.35	1.46	13.81	Alum Phosphate	38231
Always reliable,	7.04	1.50	8.54	"	38232 Below standard.
Put up for Main's grocery	7.34	1.71	9.05	"	38233 "
Best in the world,	7.27	.98	8.25	"	38234 "

D. O'SULLIVAN, INSPECTOR.

Hygienic,	11.19	3.36	14.55	Alum Phosphate	47661
Pioneer, pure cream of tartar baking powder.	11.42	2.14	13.56	Cream of Tartar, but contains both alum and phosphates.	47662
St. George,	8.76	1.30	10.06	Cream of Tartar	47663 Below standard.
Royal,	11.94	.69	12.63	"	47664
Dr. Price's cream,	12.30	.60	12.90	Cream of Tartar & a little phosphate	47665
Shilling's best,	11.70	1.40	13.10	Cream of Tartar	47666
Feather light,	12.63	.85	13.48	Alum Phosphate	47667
Blue Ribbon,	7.17	.98	8.16	"	47668 Below standard.
Crescent,	5.87	.12	5.99	Phosphate with a little alum.	47669 "
Magic,	12.87	.60	13.47	Phosphate	47670