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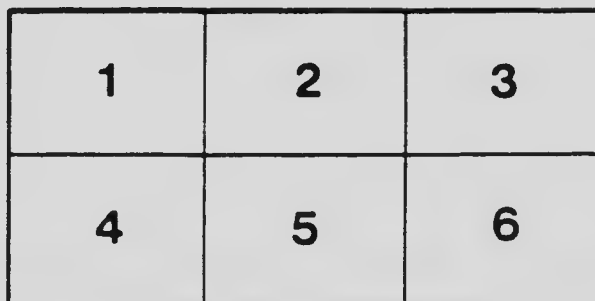
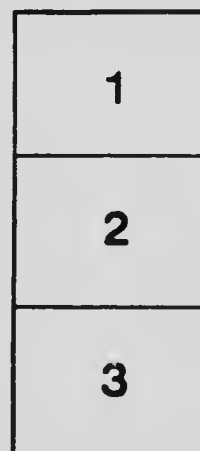
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O. H. M. S.

W. J. Gerald
Deputy Minister.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 181

ARSENIC, AS AN IMPURITY IN DRUGS.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
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BULLETIN No. 181

ARSENIC, AS AN IMPURITY IN DRUGS.

OTTAWA, June 8, 1909.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—In the year 1900 there occurred in Manchester, England, a large number of cases of arsenical poisoning. It was discovered that the poison was present in beer which had been made from commercial glucose. Other sources of arsenic in beer were found in malt which had been dried in kilns to which gases from pyritous coal had access. Further research showed that decided traces of arsenic occurred in many chemical products whose manufacture involved the use of sulphuric acid; it being already known that crude sulphuric acid (oil of vitriol) is usually contaminated with arsenic.

For the information of this Department there were examined at that time a number of samples of drugs, as found on the Canadian market, for the purpose of ascertaining whether any of these contained distinct traces of arsenic. While most samples were practically free from the poison, it was found that arsenic was distinctly present in certain sulphates, and particularly in phosphate of soda. The amounts were not so large as to be alarming; but were sufficient to make it impossible to regard these drugs as meeting pharmacopoeal requirements.

The present bulletin contains a report upon 448 samples of sulphate of magnesia, sulphate of soda and phosphate of soda, three drugs which are as likely as any to contain arsenic as an impurity. It is satisfactory to find that on the total of 448 samples, 336

contain no arsenic, 86 contain less than one-half of a milligram per hundred grams, twenty less than one milligram and six over one milligram, divided as follows :—

	ARSENIC.				Total.
	None.	Less than one-half milligram per hundred grams.	Less than one milligram per hundred grams.	More than one milligram per hundred grams.	
Sulphate of Magnesia.....	120	26	4	0	150
Sulphate of Soda.....	99	35	10	6	150
Phosphate of Soda.....	117	25	6	0	148
	336	86	20	6	448

The British Pharmacopœia fixes the dose of Arsenious Acid at $\frac{1}{80}$ to $\frac{1}{15}$ of a grain, corresponding to 0.001 and 0.004 milligrams.

The maximum single dose for each of the three salts mentioned is 14.2 grams and, as the largest amount of arsenic found is 10.5 milligrams per one hundred grams, it follows that not more than one and one-half milligram could have been absorbed, which would not be considered a dangerous dose, four (4) milligrams being allowed.

I beg to recommend the publication of this report as Bulletin No. 181.

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

ALP. LEMOINE,
Acting Chief Analyst.

BULLETIN No. 181—SULPHATE OF MAGNESIA (EPSOM SALTS).

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Arsenic per 100 Grams.	No. of Sample.
				Quantity	Cents.				
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.									
1909.									
April 15	Sulphate of Magnesia (Epsom Salts).	33927	A. H. Buckley, Halifax, N.S.	½ lb.	5	National Drug and Chemical Co., Halifax, N.S.	None.	None.	33927
" 16	"	33928	J. R. Rawley, Halifax, N.S.	½ "	5	"	"	"	33928
" 16	"	33929	A. A. Thompson, Halifax, N.S.	½ "	5	"	"	"	33929
" 16	"	33930	M. D. Logan, Halifax, N.S.	½ "	5	"	"	"	33930
" 17	"	33931	Nat. Drug and Chem. Co., Halifax, N.S.	½ "	5	Vendors.	"	"	33931
" 17	"	33932	T. M. Power & Son, Halifax, N.S.	½ "	5	National Drug and Chemical Co., Halifax, N.S.	"	"	33932
" 19	"	33933	L. C. Gardner, Yarmouth, N.S.	½ "	5	Can. Drug Co., St. John, N.B.	"	"	33933
" 20	"	33934	J. D. Clarke, Kentville, N.S.	½ "	5	National Drug and Chemical Co., Halifax, N.S.	"	"	33934
" 22	"	33935	A. E. Smith, Truro, N.S.	½ "	5	Unknown.	"	"	33935
" 23	"	33936	J. McD. Taylor, Halifax, N.S.	½ "	5	National Drug and Chemical Co., Halifax, N.S.	"	"	33936

DISTRICT OF PRINCE EDWARD ISLAND—THOS. MOORE, INSPECTOR.

1909.									
April 7	Sulphate of Magnesia (Epsom Salts).	31488	John F. McNeill, Summerside.	½ lb.	5	National Drug and Chemical Co., Halifax, N.S.	None.	None.	31488
" 7	"	31489	McFadyen & McLellan, Summerside.	½ "	5	Can. Drug Co., St. John, N.B.	"	"	31489
" 8	"	31490	Sinclair & Stewart, Summerside.	½ "	5	L. Chaput, Fils & Co, Montreal.	"	"	31490
" 8	"	31491	Jardine & Bernard, Kentville.	½ "	5	Can. Drug Co., Halifax.	"	"	31491
" 12	"	31492	W. H. Pigott, Mount Stewart.	½ "	5	Carnell Bros., Charlottetown.	"	"	31492

"	13	"	31493	Mrs. D. Gordon, George- town.	1/2 lb.	6	Northrop & Lyman (Co.) Ltd., Toronto.	31493
"	15	"	31494	Johnson & Johnson, Charlotte town.	1/2 lb.	5	Lyman & Son, Montreal.	31494
"	15	"	31495	C. D. Rankin, Charlotte- town.	1/2 lb.	5	"	31495
"	15	"	31496	J. G. Jamieson, Char- lottetown.	1/2 lb.	5	"	31496
"	15	"	31497	M. Duffy & Son, Char- lottetown.	1/2 lb.	8	Nicholson & Brock, Toronto	31497

1909.

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

Mar.	3	Sulphate of Magnesia (Epsom Salts).	29922	Burpee E. Brown, St. 3pkgs. John, N.B.	1/2 lb.	15	National Drug and Chemical Co., Ltd., St. John, N.B.	29922	Less than 1 milligram.
"	25	"	29923	R. H. Robb, St. John, N.B.	1/2 lb.	5	"	29923	None.
April	6	"	29924	Chas. A. Burchill, Fred- erickton, N.B.	1/2 lb.	5	"	29924	Less than 1 milligram.
"	6	"	29925	Hunt & McDonald, Frederickton, N.B.	1/2 lb.	10	"	29925	" 1/2 "
"	7	"	29926	C. A. McKeen, Wood- stock, N.B.	1/2 lb.	5	Cap. Drug Co., St. John, N.B.	29926	" 1 "
"	14	"	29927	D. J. Sharp, Sussex, N.B.	1/2 lb.	5	National Drug and Chemical Co., St. John, N.B.	29927	None.
"	15	"	29928	Francis McKay, Monc- ton, N.B.	1/2 lb.	5	F. G. Reid & Co., Moncton, N.B.	29928	"
"	17	"	29930	A. Chippman Smith & Co., Bathurst, N.B.	1/2 lb.	5	Vendors	29930	"
"	19	"	29931	A. McG. McDonald, 3pkgs. Campbellton, N.B.	1/2 lb.	15	Howard & Sons, London, Eng.	29931	"
"	15	"	29939	G. O. Spencer, Moncton, N.B.	1/2 lb.	5	Can. Drug Co., St. John, N.B.	29939	Less than 1/2 milligram.

1909.

DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.

April	20	Sulphate of Magnesia (Epsom Salts).	36701	V. Giroux, Quebec	1/2 lb.	5	Lyman's Ltd., Montreal	36701	None.
"	20	"	36702	Lacroix & Co., Quebec	1/2 lb.	5	Lyman & Sons, Montreal	36702	"
"	20	"	36703	R. B. Roger, Quebec	1/2 lb.	15	Nat. Drug Co., Montreal	36703	"
"	20	"	36704	H. Wells, Quebec	1/2 lb.	15	Unknown	36704	"
"	20	"	36705	T. E. Dubé, Quebec	1/2 lb.	10	"	36705	"
"	21	"	36706	A. L. Jolicœur, Quebec	1/2 lb.	10	Lyman & Sons, Montreal	36706	"
"	21	"	36707	F. E. Gauvreau & Frères, Quebec	1/2 lb.	10	"	36707	"
"	20	"	36988	W. Brunette & Cie, Quebec	1/2 lb.	5	Unknown	36988	"
"	20	"	36989	L. E. Martel, Quebec	1/2 lb.	5	Langlois & Paradi, Quebec	36989	"
"	20	"	36990	D. R. Gagnon, Quebec	1/2 lb.	10	Lyman Knox, Montreal	36990	"

BULLETIN No. 181—SULPHATE OF MAGNESIA (EPSOM SALTS.)

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Arsenic per 100 Grams.	No. of Sample
				Quantity	Cents.				
DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR									
April 21	Sulphate of Magnesia (Epsom Salts)	1034	G. P. Sabourin, St. Jean	½ lb.		8 Lyman's Ltd., Montreal		None	1034
" 27	"	1035	Dr. Mignault, Actonville	½ "		5 Unknown		"	1035
" 29	"	1036	Dr. Belleau, Arthabaska ville.	½ "		8 Pharmacie Brunet, Quebec		"	1036
May 5	"	1037	Pharmacie Chagnon, Sherbrooke	½ "		5 Lyman's Ltd., Montreal		"	1037
" 5	"	1038	W. J. H. McKindsey, Lennoxville.	½ "		10 Lyman's Ltd., Montreal		"	1038
" 11	"	1039	Dr. Gelinas, St. Guillaume.	½ "		7 Laporte, Martin & Co., Montreal		"	1039
" 18	"	1040	Dr. Sylvestre, Sorel	½ "		5 National Drug Co., Montreal		"	1040
" 25	"	1041	Dr. J. A. Viger, St. Hyacinthe.	½ "		2 Lyman's Ltd., Montreal		"	1041
" 25	"	1042	Phar. Brodeur, St. Hyacinthe.	½ "		5 National Drug Co., Montreal		"	1042
" 25	"	1043	C. H. Welch, Waterloo.	½ "		5 Unknown		"	1043

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR

April 19	Sulphate of Magnesia (Epsom Salts)	40061	J. A. Godbout, 278 Craig St., Montreal.	½ lb.		8 Lyman's Ltd.		Less than ½ milligram.	40061
" 19	"	40062	Arthur Maillet, 621 Craig St., Montreal.	½ "		5 Unknown		None	40062
" 19	"	40063	A. E. Gravelle, 542 St. Catherine, Montreal.	½ "		5 "		"	40063
" 23	"	40064	Dr. J. F. St. Onge, Valleyfield, P. Q.	½ "		5 Lyman's Ltd.		"	40064
" 23	"	40065	A. D. Munn, 201 St. Antoine St., Montreal.	½ "		5 "		Less than ½ milligram.	40065
" 25	"	40066	A. L. Boucher, Joliette.	½ "		5 "		None	40066

May	4	"	"	40067	John T. Lyons Co., Ltd., Montreal.	5	40067
"	4	"	"	40068	Leo G. Ryan, Montreal.	5	40068
"	4	"	"	40069	J. A. Asselin, Montreal.	10	40069
"	4	"	"	40070	Louis Fortin, Montreal. 3 pkgs	10	40070

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

1909.

Mar.	16	Sulphate of Magnesia (Epsom Salts).	"	22941	Pharmacie Canadienne, Hull, P. Q.	5	Unknown	Less than 1 milligram.	22941
"	19	"	"	22942	F. W. Warwick, Buckinghamham.	5	Lyman Knoc., Mont. ad.	None.	22942
"	22	"	"	22943	Dr. A. Lyon, Shawville.	5	Lymanas Ltd., Montreal.	"	22943
"	23	"	"	22944	J. Clark, Renfrew, Ont.	5	National Drug & Chem. Co., Ottawa.	Less than 1 milligram.	22944
"	23	"	"	22945	J. M. Placent, Ltd., Renfrew, Ont.	5	"	"	22945
"	24	"	"	22946	Valiquette Co., Ltd., York & Dalhousie Sts., Ottawa.	5	Provost & Allard, Ottawa.	" 1 "	22946
"	24	"	"	22947	Jos. P. Valiquette, Clarence & Dalhousie Sts., Ottawa.	5	National Drug & Chemical Co., Ltd., Ottawa.	None.	22947
"	24	"	"	22948	Thos. Payment, Ottawa.	5	Ottawa Drug Co., Ottawa.	"	22948
"	26	"	"	22949	E. P. DesRosiers, Rideau St., Ottawa.	5	Ottawa Drug Co., Ottawa.	"	22949
"	26	"	"	22950	Fr. de W. H. Roger, Ottawa.	5	Unknown.	"	22950

DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.

1909.

Mar.	17	Sulphate of Magnesia (Epsom Salts).	"	39471	H. Skinner, Kingston.	5	National Drug Co.	Less than 1 milligram.	39471
"	17	"	"	39472	A. P. Chown, "	5	Lyman & Sons, Montreal.	" 1 "	39472
"	18	"	"	39473	W. W. Gibson, "	5	National Drug Co.	None.	39473
"	22	"	"	39474	F. C. Clarke, Belleville.	5	Unknown.	"	39474
"	22	"	"	39475	R. Templeton, "	5	Lyman & Sons, Montreal.	"	39475
"	22	"	"	39476	O. G. Johns, Cobourg.	5	Howard, England.	"	39476
"	22	"	"	39477	A. J. Gould, "	5	Lyman & Sons, Montreal.	"	39477
"	22	"	"	39478	C. J. Webster, "	5	F. G. West, Toronto.	Less than 1 milligram.	39478
"	23	"	"	39479	McDermid & Jury, Peterboro.	5	Jury & Lovell, Bowmasvil	" 1 "	39479
"	23	"	"	39480	L. A. Payne, Peterboro.	5	Drug Trading Co., Toronto.	" 1 "	39480

BULLETIN No. 181—SULPHATE OF MAGNESIA (EPSOM SALTS)—Continued.

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis, Arsenic per 100 Grams.	No. of Sample.
				Quantity.	Cents.				
DISTRICT OF TORONTO—H. J. DAGGER, INSPECTOR.									
1909.	April 7	Sulphate of Magnesia (Epsom Salts).	36226	Chas. T. Laird, Hamilton	$\frac{1}{2}$ lb.	5 J. Winer & Co., Hamilton.	.....	Less than $\frac{1}{4}$ milligram.	36226
"	"	"	36227	R. A. Smith, Newmarket.	$\frac{1}{2}$ " "	5 Unknown	.....	None.	36227
"	13	"	36228	Wm. Crossland, Barrie.	$\frac{1}{2}$ " "	5 Drug Trading Co., Toronto.	.....	"	36228
"	14	"	36229	Golding Co., Tottenham	$\frac{1}{2}$ " "	5 Nat. Drug and Chemical Co., Ltd., Toronto.	.....	"	36229
"	16	"	36230	G. A. Ramsden, Georgetown.	$\frac{1}{2}$ " "	5 " " "	.....	"	36230
"	17	"	36231	Geo. Marshall & Co., Toronto.	$\frac{1}{2}$ " "	5 The Drug Trading Co., Ltd., Toronto.	.....	"	36231
"	17	"	36232	J. A. Thompson, Toronto.	$\frac{1}{2}$ " "	5 Vendor.	.....	"	36232
"	17	"	36233	W. J. Mitchell, Toronto.	$\frac{1}{2}$ " "	5 Drug Trading Co., Ltd., Toronto.	.....	"	36233
"	19	"	36234	W. H. Summerfeldt, Toronto.	$\frac{1}{2}$ " "	5 " " "	.....	"	36234
"	19	"	36235	W. M. Malby, Toronto.	$\frac{1}{2}$ " "	5 Lyman Bros. & Co., Ltd., Toronto.	.....	"	36235

DISTRICT OF LONDON—T. KIDD, INSPECTOR.

1909.	Mar. 29	Sulphate of Magnesia (Epsom Salts).	30605	Chas. Aberhart, Seaford	$\frac{1}{2}$ lb.	5 Lyman Bros., Toronto.	.....	None.	30605
"	"	"	30606	W. A. McConnell, Clinton.	" "	10 National Drug Co., London, Ont.	.....	Less than $\frac{1}{4}$ milligram.	30606
"	31	"	30612	J. J. McEwin, Goderich	$\frac{1}{2}$ " "	5 Elliot, Mar & Co., London, Ont.	.....	None.	30612
April 7	"	"	30631	W. A. McIntyre, St. Mary's.	$\frac{1}{2}$ " "	11 National Drug Co., London, Ont.	.....	Less than $\frac{1}{4}$ milligram.	30631
"	7	"	30633	Frank H. Smith, St. Mary's.	$\frac{1}{2}$ " "	5 Lyman Bros., Toronto, Ont.	.....	None.	30633
"	7	"	30634	J. McClean, St. Mary's.	$\frac{1}{2}$ " "	5 " " "	.....	"	30634

BULLETIN No. 181—SULPHATE OF MAGNESIA (EPSOM SALTS).

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Covr.		Name and address of Manufacturer or Furnisher, as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)	Result of Analysis, Arsenic per 100 Grams.	No. of Sample.
				Quantity	Cents.				

DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.

1908.	April 27	Sulphate of Magnesia (Epsom Salts).	35501	G. M. Cawker, Medicine Hat.	10 lb.	10	Lyman Sons & Co., Montreal.	None	35501
	" 27	" "	35502	C. S. Pringle, Medicine Hat.	1/2 "	10	Lyman Sons & Co., Montreal.	"	35502
	" 27	" "	35503	B. F. Souch, Medicine Hat.	1/2 "	10	Nat. Drug & Chemical Co., Winnipeg.	"	35503
	" 29	" "	35504	G. H. Graydon, Edmonton.	1/2 "	15	Howard & Son., London, Eng.	"	35504
	" 29	" "	35505	T. G. Carson, Edmonton.	1/2 "	10	Martin Bole & Wynne.	"	35505
	" 29	" "	35506	A. Archibald, Edmonton.	1/2 "	10	Lyman Sons & Co., Montreal.	"	35506
	" 29	" "	35507	Algonquin Pharmacy, Edmonton.	1/2 "	35	A. Macdonald & Co., Edmonton.	"	35507
	" 29	" "	35508	Edmonton Drug Co., Edmonton.	1/2 "	10	Lyman Sons & Co., Montreal.	"	35508
	" 29	" "	35510	J. H. Lives, Edmonton.	1/2 "	10	Unknown.	"	35510
	" 29	" "	35531	E. M. Carpenter, Edmonton.	1/2 "	10	Bale Drug Co., Calgary.	"	35531

DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

1909.	March 6	Sulphate of Magnesia (Epsom Salts).	37604	M. S. MacDowell, North Vancouver.	1/2 lb.	25	Henderson Bros., Vancouver.	Less than 1/2 milligram.	37604
	" 6	" "	37605	Marrett & Reid, Hastings St., Vancouver.	1/2 "	10	" "	" 1/2 "	37605
	" 6	" "	37606	Marrett & Reid, Arcade St., Vancouver.	1/2 "	25	" "	None	37606
	" 6	" "	37607	E. S. Knowlton, Vancouver.	1/2 "	10	" "	Less than 1/2 milligram.	37607
	" 6	" "	37608	Central Drug Store, Vancouver.	1/2 "	10	" "	" "	37608

"	25	"	"	37609 Owl Drug Store, Vancouver.	15	"	"	37609
"	25	"	"	37610 McDufee Bros., & Co., Vancouver.	10	"	"	37610
"	25	"	"	37611 R. G. Wood, Vancouver.	15	"	None	37611
"	27	"	"	37612 L. G. Henderson, Vancouver.	20	"	Less than 1 milligram	37612
"	27	"	"	37613 Red Cross Drug Store, Vancouver.	10	"	" ½ "	37613

1909.

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

May	11	Sulphate of Magnesia (Epsom Salts).	39331	F. J. Williams, Victoria, B.C.	½ lb.	15	Henderson Bros., Victoria, B.C.	39331
"	11	"	39332	Dean & Hincocks, Victoria, B.C.	½ "	5	"	39332
"	11	"	39333	Wm. Jackson & Co., Victoria, B.C.	½ "	15	"	39333
"	12	"	39334	D. E. Campbell, Victoria, B.C.	½ "	10	"	39334
"	12	"	39335	W. S. Terry, Victoria, B.C.	½ "	10	"	39335
"	13	"	39336	John Cochrane, Victoria, B.C.	½ "	10	"	39336
"	13	"	39337	Cyrus H. Bower, Victoria, B.C.	½ "	10	"	39337
"	13	"	39338	Geo. A. Fraser, Victoria, B.C.	½ "	10	"	39338
"	13	"	39339	B. C. Drug Co., Victoria, B.C.	½ "	10	"	39339
"	13	"	39340	Thos. Shotbolt, Victoria, B.C.	½ "	10	Baiss Bros. & Stephenson, London, Eng.	39340

BULLETIN No. 181—SULPHATE OF SODA (GLAUBER'S SALT)

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.	Inspector's Report. (Is not an expression of opinion.)	Result of Analysis, Arsenic per 100 Grams.	No. of Sample.
				Quantity.	Rate.				
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.									
April 16	Sulphate of Soda (Glauber's Salt).	33942	G. A. Burbidge, Halifax, N.S.	1 lb.	45	Nat. Drug and Chem. Co., Halifax, N.S.	.....	Less than 1 milligram	33942
" 17	"	33943	Nat. Drug and Chem. Co., Halifax, N.S.	1/2 "	5	Nat. Drug and Chem. Co., Montreal.	.....	None.	33943
" 17	"	33944	C. A. Munford, Halifax, N.S.	1/2 "	10	Nat. Drug and Chem. Co., Halifax.	.....	"	33944
" 19	"	33945	B. F. Traak, Yarmouth, N.S.	1/2 "	5	Can. Drug Co., St. John, N.B.	.....	"	33945
" 20	"	33946	G. C. McDougall, Kentville, N.S.	1/2 "	5	Unknown	.....	"	33946
" 22	"	33947	Hub Drug Store, Truro, N.S.	1/2 "	5	Nat. Drug and Chem. Co., Halifax.	.....	"	33947
" 22	"	33948	Crowe Bros., Truro, N.S.	1/2 "	5	"	.....	"	33948
" 22	"	33949	Truro Drug Co., Truro, N.S.	1/2 "	10	"	.....	"	33949
" 23	"	33950	E. J. Butler, Dartmouth, N.S.	1/2 "	5	"	.....	"	33950
" 23	"	33951	M. P. McCaffrey, Halifax, N.S.	1/2 "	10	"	.....	"	33951

DISTRICT OF PRINCE EDWARD ISLAND—THEO. MOORE, INSPECTOR.

April 7	Sulphate of Soda (Glauber's Salt).	38501	John T. McNeill, Summerside.	1 lb.	6	Nat. Drug Co., Halifax	.....	None	38501
" 7	"	38502	P. N. Enman, Summerside.	1/2 "	10	"	.....	Less than 1/2 milligram	38502
" 7	"	38503	McFadyen & McLellan, Summerside.	1/2 "	10	Can. Drug Co., St. John	.....	None	38503
" 8	"	38504	Jarvis & Bernard, Kensington.	1/2 "	8	Nat. Drug Co., Halifax	.....	"	38504
" 12	"	38505	John Knight, Georgetown.	1/2 "	5	"	.....	Less than 1/2 milligram	38505

" 14	"	"	"	38506	A. W. Reddin, Charlottetown.	10	"	"	Contains 5.3 milligrams.	38506
" 15	"	"	"	38507	G. E. Hughes, Charlottetown.	5	Lyman Sons & Co., Montreal.	"	None.	38507
" 16	"	"	"	38508	McDonald & McKinnon, Charlottetown.	15	Lyman's Ltd., Montreal.	"	"	38508
" 17	"	"	"	38509	Reddin Bros., Charlottetown.	8	Lyman Sons & Co., Montreal.	Less than 1/2 milligram.	"	38509
" 18	"	"	"	38510	Gillis & Sons, Charlottetown.	5	Nat. Drug Co., Halifax.	None.	"	38510

1903. DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR.

Mar. 25	Sulphate of Soda (Glauber's Salt).	"	"	29932	George P. Allen, St. John, N.B.	10	Unknown.	None.	"	29932
" 26	"	"	"	29933	Frank E. Porter, St. John, N.B.	5	The Nat. Drug and Chem. Co., Ltd., St. John, N.B.	Contains 3-2 milligrams.	"	29933
April 6	"	"	"	29934	C. Fred. Clement, Fredericton, N.B.	6	Unknown.	Less than 1/2 milligram.	"	29934
" 7	"	"	"	29935	The Baird Co., Ltd., Woodstock, N.B.	6	Lyman's Ltd., Montreal.	Less than 1 milligram.	"	29935
" 8	"	"	"	29936	D. W. C. Stevens, Woodstock, N.B.	10	The Can. Drug Co., St. John, N.B.	Less than 1/2 milligram.	"	29936
" 14	"	"	"	29937	G. M. Fairweather, Sussex, N.B.	5	The Nat. Drug Co., Halifax, N.S.	None.	"	29937
" 15	"	"	"	29938	Dr. O. E. Steeves, Montserrat, N.B.	5	The Can. Drug Co., St. John, N.B.	"	"	29938
" 15	"	"	"	29939	J. M. D. Cooke, Montserrat, N.B.	5	The Nat. Drug Co., St. John, N.B.	Less than 1/2 milligram.	"	29939
" 16	"	"	"	29941	A. E. Shaw, Newcastle, N.B.	5	The Can. Drug Co., St. John, N.B.	None.	"	29941
" 19	"	"	"	29953	John White, Campbellton, N.B.	5	The Nat. Drug Co., St. John, N.B.	Less than 1/2 milligram.	"	29953

1909. DISTRICT OF QUEBEC—E. BELAND, INSPECTOR.

April 20	Sulphate of Soda (Glauber's Salt).	"	"	36708	W. Brunette & Cie, Quebec.	10	Howard's, England.	None.	"	36708
" 20	"	"	"	36709	L. E. Martel, Quebec.	5	Lyman's Ltd., Montreal.	Less than 1/2 milligram.	"	36709
" 20	"	"	"	36710	D. E. Gagnon, Quebec.	10	Lyman Knox, Montreal.	None.	"	36710
" 20	"	"	"	36711	V. Giroux, Quebec.	5	"	Less than 1/2 milligram.	"	36711
" 20	"	"	"	36712	Laroche & Co., Quebec.	10	Lyman & Son, Montreal.	None.	"	36712
" 20	"	"	"	36713	R. B. Roper, Quebec.	50	Mereck, Germany.	"	"	36713
" 20	"	"	"	36714	H. Wells, Quebec.	35	Nat. Drug Co., Montreal.	"	"	36714
" 20	"	"	"	36715	T. E. Dubé, Quebec.	45	Mereck, Germany.	Less than 1/2 milligram.	"	36715
" 21	"	"	"	36716	A. L. Jolicoeur, Quebec.	20	Unknown.	Less than 1 milligram.	"	36716
" 21	"	"	"	36717	F. E. Gauvreau, Quebec.	45	Lyman & Son, Montreal.	"	"	36717

BULLETIN No. 131—SULPHITE OF SODA (GLAUBER'S SALT.)

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis, Arsenic per 100 Grams.	No. of Sample.
				Quantity.	Cents.				

DISTRICT OF ST. HYACINTHE, J. C. ROULEAU, INSPECTOR.

1909.

Apr. 23	Sulphate of Soda (Glauber's Salt.)	1045	Dr. W. Lord, Granby	½ lb.	5	Unknown	.....	None	1045
" 29	"	1046	J. C. Sutherland, Richmond.	½ "	5	Lymans Ltd., Montreal	.....	"	1046
" 29	"	1048	Pharmacie Missicotte, Victoriaville.	½ "	5	Unknown	.....	"	1048
May 6	"	1049	J. F. Flint, Rock Island.	½ "	25	"	.....	"	1049
" 11	"	1050	Dr. J. A. Grelmas, St. Guillaume.	½ "	13	Chapman & Dart, Montreal	.....	"	1050
" 18	"	1051	Dr. Sylvestre, Sorel.	½ "	10	W. M. Evans & Co., Montreal.	.....	"	1051
" 25	"	1052	Dr. J. A. Viger, St. Hyacinthe.	½ "	5	Lymans Ltd., Montreal	.....	"	1052
" 25	"	1053	Pharmacie St. Jacques, St. Hyacinthe.	½ "	5	"	.....	"	1053
" 26	"	1054	Dr. Goulet, Farnham.	½ "	10	"	.....	"	1054

DISTRICT OF MONTREAL, J. J. COSTIGAN, INSPECTOR.

1909.

Apr. 19	Sulphate of Soda (Glauber's Salt.)	40071	J. A. Gauthier, 278 Craig St., Montreal.	½ lb.	7	Lymans Ltd.	.....	None	40071
" 19	"	40072	Arthur Maillet, 621 Craig St., Montreal.	½ "	5	Unknown	.....	"	40072
" 23	"	40073	A. D. Munn, 201 St. Antoine St., Montreal.	½ "	15	Mercks	.....	"	40073
" 23	"	40074	Queneville & Guerin, 397 St. Antoine St., Montreal.	½ "	10	"	.....	Less than 1 milligram	40074
" 26	"	40075	A. L. Boucher, Joberte, P. Q.	½ "	25	Nat. Drug and Chem. Co., Montreal	.....	None	40075

Montreal

P.Q.

Mar. 26	40076	J. T. Gaudet, Joliette, P.Q.	10	"	40075
May 1	40077	John T. Lyons Co., Ltd., Montreal.	10	"	40077
" 4	40078	Leo. G. Ryan, Montreal.	4	Less than 1/2 milligram.	40078
" 4	40079	J. H. Nault, Montreal.	10	None.	40079
" 4	40080	E. Ethier, Montreal.	5	"	40080

DISTRICT OF OTTAWA, J. A. RICKEY, INSPECTOR.

1969.

Mar. 19	22951	F. W. Warwick, Buckinghamham.	1 lb.	5 Unknown.	22951
" 19	22952	Dr. Wallace, Buckinghamham.	1/2 "	5 Lyman Sons & Co., Montreal.	22952
" 22	22953	Dr. A. Lyon, Shawville.	1 "	5 Lyman's Ltd., Montreal.	22953
" 23	22954	Jas. Clark, Renfrew.	1 "	"	22954
" 23	22955	J. M. Piant Ltd., Renfrew.	1 "	5 Unknown.	22955
" 24	22956	Jos. Valiquette Co., Ltd., cor. York and Dalhousie Sts., Ottawa.	1/2 "	5 Ottawa Drug Co., Ottawa.	22956
" 24	22957	Thos. Payment, Ottawa.	4 "	5 " "	22957
" 26	22958	E. D. Story, Ottawa.	4 "	10 Unknown.	22958
" 26	22959	E. R. Desjardins, Ottawa.	4 "	5 Ottawa Drug Co., Ottawa.	22959
" 26	22960	Estas of W. H. Roger, Ottawa.	1/2 "	10 Unknown.	22960

DISTRICT OF KINGSTON, JAS. HOGAN, INSPECTOR.

1969.

Mar. 17	39481	H. Skinner, Kingston.	1/2 lb.	2 Nat. Drug Co.	39481
" 17	39482	W. W. Gibson, Kingston.	1/2 "	5 " "	39482
" 22	39483	F. C. Clarke, Belleville.	1/2 "	5 Unknown.	39483
" 22	39484	R. Templeton, Belleville.	1/2 "	5 Nat. Drug Co.	39484
" 22	39485	A. J. Gould, Cobourg.	1/2 "	3 Lyman Bros., Toronto.	39485
" 22	39486	O. S. Johns, Cobourg.	1/2 "	5 Nat. Drug Co.	39486
" 22	39487	McDermid & Jury, Peterboro.	1/2 "	5 Lyman Bros., Toronto.	39487
" 23	39488	L. A. Payne, Peterboro.	1/2 "	3 Drug Trading Co., Toronto.	39488
" 23	39489	J. D. Tully, Peterboro.	1/2 "	5 Unknown.	39489
" 23	39490	Nugent Drug Co., Peterboro.	1/2 "	5 Lyman Bros., Toronto.	39490

BULLETIN No. 181—SULPHATE OF SODA (GLAUBER'S SALT).

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Arsenic per 100 Grams.	No. of Samples.
				Quantity.	Cents.				
DISTRICT OF TORONTO—II. J. DAGER—INSPECTOR.									
1909.									
April 7	Sulphate of Soda (Glaubers Salt)	36226	H. Spencer Case, Hamilton.	1 lb.	10	Dom. Drug Co., Hamilton.	.....	Less than 1/2 milligram	36226
" 8	"	36227	Rutherford & Co., Aurora.	1/2 "	5	National Drug & Chem. Co., Toronto.	.....	" "	36227
" 8	"	36228	Norman L. Rogers Co., Ltd., Newmarket.	1/2 "	3	" " "	.....	None	36228
" 12	"	36229	W. L. Campbell, Bradford.	1/2 "	2	Unknown	.....	"	36229
" 13	"	36240	D. H. McLaren, Barrie.	1/2 "	5	National Drug and Chem. Co., Hamilton.	.....	"	36240
" 14	"	36241	J. R. Hipwell, Alliston.	1/2 "	2	Drug Trading Co., Toronto.	.....	Less than 1/2 milligram	36241
" 14	"	36242	Dr. Jos. Campbell, Tottenham.	1/2 "	3	Shuttleworth Chemical Co., Ltd., Toronto.	.....	None	36242
" 16	"	36243	Edward J. Scott, Georgetown.	1/2 "	3	J. Winer & Co., Ltd., Hamilton.	.....	"	36243
" 17	"	36244	A. D. Jupp, Toronto.	1/2 "	5	Lyman Bros. & Co., Toronto	.....	"	36244
" 19	"	36245	City Hall Drug Store, (F. F. Carly, Mgr.), Toronto.	1/2 "	3	Drug Trading Co., Toronto.	.....	"	36245
DISTRICT OF LONDON—T. KIDD, INSPECTOR.									
Mar. 25	Sulphate of Soda (Glaubers Salt)	30632	A. B. Petrie, Guelph.	1/2 "	5	McArthur & Connell, Montreal.	.....	Less than 1/2 milligram	30632
" 31	"	30613	H. C. Dunlop, Goderich.	1/2 "	5	Unknown	.....	"	30613
April 1	"	30622	F. H. Walley, Wingham.	1/2 "	5	National Drug Co., Toronto.	.....	None	30622
" 2	"	30629	J. Livingston, Listowel.	1/2 "	5	" " "	.....	"	30629
" 7	"	30630	W. A. McIntyre, St. Mary's.	1/2 "	11	Nat. Drug. Co., London, Ont.	.....	"	30630
" 7	"	30632	Frank H. Smith, St. Mary's.	1/2 "	5	Lyman Bros., Toronto	.....	"	30632
" 7	"	30635	J. McLeann, St. Mary's.	1/2 "	5	" " "	.....	"	30635
" 7	"	30640	George J. Waugh, Stratford.	1/2 "	5	" " "	.....	Less than 1/2 milligram	30640

DISTRICT OF WINDSOR—J. TALBOT, INSPECTOR.

April 15	8	34781	B. A. Mitchell, London, Ont.	5 Nat. Drug Co.	None	34781
"	"	34786	Meek & Vining, London, Ont.	5 "	"	34786
"	8	34791	E. W. Boyle, London, Ont.	10 "	"	34791
"	10	34791	C. F. Perry, London, Ont.	10 "	"	34791
"	14	34796	F. P. Reynolds, St. Thomas.	5 "	"	34796
"	14	35902	F. A. Leiron & Co., St. Thomas.	5 Drug Trading Co., Toronto.	"	35902
"	15	35909	H. W. Thompson, Strathroy.	15 Unknown.	"	35909
"	15	35910	M. Maude Orchard, Strathroy.	5 Nat. Drug Co., London, Ont.	Less than 1/2 milligram	35910
"	16	35914	McFarlane & Co., Glenora, Ont.	5 "	None	35914
"	16	35915	I. Waldren, London, Ont.	5 "	Less than 1/2 Milligram	35915
"	16	35916	Wm. Robinson, London, Ont.	5 "	None	35916

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

April 15	11	35846	D. A. Fraser & Co., Winnipeg.	5 Unknown	None	35846
"	"	35847	J. R. Robinson, Winnipeg.	20 Malleckrodt Chem. Works, St. Louis & New York.	Less than 1/2 milligram	35847
"	15	35848	Coleleugh & Co., Winnipeg.	35 Unknown	None	35848
"	16	35849	G. E. Rogers, Winnipeg.	20 Nat. Drug and Chem. Co., National Montreal.	"	35849
"	16	35850	F. P. Seale, Winnipeg.	10 Martin, Bole, Wyne & Co., Winnipeg.	"	35850
"	19	35851	Dr. J. M. Eaton & Co., Carberry.	5 The Bole Drug Co., Winnipeg.	"	35851
"	20	35852	Cowan's Drug Store, Portage La Prairie.	5 Unknown	"	35852
"	20	35853	B. M. Canniff, Portage La Prairie.	5 The Bole Drug Co., Winnipeg.	"	35853
"	20	35851	J. R. Hill, Portage La Prairie.	5 The Martin, Bole & Wyne Co., Winnipeg.	"	35854
"	21	35855	Elmwood Drug Store, Elmwood, P.O.	5 Unknown	"	35855

BULLETIN No. 181—SULPHATE OF SODA (GLAUBER'S SALTS).

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Inspector's Report. (Is not an expression of opinion.)	Results of Analysis, Arsenic per 100 Grams.	No. of Sample.
				Name and Address of Manufacturer or Furnisher, as given by the Vendor.	Quantity.			
DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.								
April 27	Sulphate of Soda (Glauber's Salt)	35511	C. S. Pringle Hat.	10 Lyman Sons & Co., Montreal.	½ lb.		Less than 1 milligram	35511
" 29	"	35512	G. H. Graydon, Edmonton.	25 E. Merck, Darmstadt, Ger.	½ "		None	35512
" 29	"	35513	T. G. Carson, Edmonton	10 Bole Drug Co., Calgary	½ "		Less than ½ milligram	35513
" 29	"	35514	A. Archibald, Edmonton	10 Lyman Sons & Co., Montreal.	½ "		None	35514
" 29	"	35515	Algonquin Pharmacy, Edmonton.	35 Unknown	½ "		"	35515
" 29	"	35516	Edmonton Drug Co., Edmonton.	15 Unknown	½ "		"	35516
" 29	"	35517	J. H. Lives, Edmonton.	15 Malinckrodt Chem. Works, Germany.	½ "		"	35517
" 29	"	35518	Macdonald's Pharmacy, Edmonton.	10 Lyman Sons & Co., Montreal.	½ "		Less than 1 milligram	35518
" 29	"	35519	E. M. Carpenter, Edmonton.	10 " "	½ "		None	35519
" 29	"	35520	Laval Pharmacy, Edmonton.	15 Bole Drug Co., Winnipeg.	½ "		"	35520

DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

Mar. 26	Sulphate of Soda (Glauber's Salt)	37614	Brown & Beaton, Vancouver.	10 Henderson Bros., Vancouver, B.C.	½ lb.		None	37614
" 26	"	37615	W. E. Law, Vancouver.	10 " "	½ "		Less than ½ milligram	37615
" 26	"	37616	C. Muddell, Vancouver.	25 " "	½ "		None	37616
" 26	"	37617	C. Nelson, Vancouver.	25 " "	½ "		Contains 3 milligrams	37617
" 26	"	37618	Laws Drug Store, Vancouver.	25 " "	½ "		None	37618

BULLETIN No. 181—PHOSPHATE OF SODA.

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Arsenic per 100 Grams.	No. of Sample.
				Quantity	(Units)				
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.									
1909.	April 16	Phosphate of Soda	33952 C. A. Barnstead, Halifax, N.S.	1 lb.	15	Lynnan Sons & Co., Montreal.		Less than 1 milligram	33952
"	"	"	33953 National Drug and Chemical Co., Halifax, N.S.	"	15	Vendors.		"	33953
"	"	"	33954 R. J. Philips, Halifax, N.S.	"	20	Thompson Chemical Co., Baltimore, Md.		None	33954
"	"	"	33955 J. A. Craig, Yarmouth, N.S.	"	20	Mallinckrodt, New York.		"	33955
"	"	"	33956 R. F. Guest, Yarmouth, N.S.	"	20	National Drug and Chemical Co., St. John, N.B.		"	33956
"	"	"	33957 F. C. Churchill, Wolfville, N.S.	"	15	Thompson Chemical Co., Baltimore, Md.		"	33957
"	"	"	33958 A. V. Rand, Wolfville, N.S.	"	25	A. Reake-Roberts Co., London, Eng.		"	33958
"	"	"	33959 W. F. Odell, Truro, N.S.	"	25	Lynnan Sons & Co., Montreal.		"	33959
"	"	"	33960 Buckley Bros., Halifax, N.S.	"	15	National Drug and Chemical Co., Halifax, N.S.		"	33960
"	"	"	33961 C. E. Huggins, Halifax, N.S.	"	15	National Drug and Chemical Co., Halifax, N.S.		"	33961

DISTRICT OF PRINCE EDWARD ISLAND—THEO. MOORE, INSPECTOR.

1909.	April 16	Phosphate of Soda	38511 P. N. Egan, Summerside.	1 lb.	15	National Drug and Chemical Co., Halifax.		None	38511
"	"	"	38512 A. W. P. Gourin, Summerside.	"	20	Lynnan Sons & Co., Montreal.		"	38512
"	"	"	38513 K. J. Keir, Kensington, P.E.I.	"	15	National Drug Co., Halifax.		"	38513
"	"	"	38514 Johnson & Johnson, Charlottetown.	"	15	Thompson Chemical Co., Baltimore, Md.		"	38514
"	"	"	38515 C. D. Rankin, Charlottetown.	"	12	National Drug and Chemical Co., Halifax.		"	38515
"	"	"	38516 A. W. Reddin, Charlottetown.	"	15	Schoellkopf, Hartford & Hanna Co., New York.		"	38516

35217	G. E. Hughes, Charlotte town.	15 National Drug Co., Halifax.	35217
35218	J. G. Jamieson, Charlotte town.	20 Lyman Sons & Co., Montreal.	35218
35219	McDonald & McKinnon, Charlotte town.	15 Lyman's Ltd., Montreal.	35219
35220	Bodden Bros., Charlotte town.	15 Lyman Sons & Co., Montreal.	35220

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

1909.	Mar. 25	Phosphate of Soda	29942	G. A. Moore, St. John, N.B.	30 E. Merck, Darmstadt	None	22942
	" 26	"	29943	Wm. Hawker & Son, St. John, N.B.	30 Mallinckrodt Chemical Works, New York.	"	22943
	April 6	"	29944	R. T. Mack, Fredericton, N.B.	16 The National Drug and Chemical Co., St. John, N.B.	"	22944
	" 6	"	29945	John M. Wiley, Fredericton, N.B.	20 Unknown	"	22945
	" 7	"	29946	F. W. Main, Woodstock, N.B.	15 Mallinckrodt Chemical Works, New York.	Less than 2 milligram	22946
	" 7	"	29947	Garden Bros., Woodstock, N.B.	30 Lyman Sons & Co., Montreal.	"	22947
	" 7	"	29948	D. W. C. Stevens, Woodstock, N.B.	30 Thomson Chemical Co., Baltimore, Md., U.S.	None	22948
	" 15	"	29950	J. McI. Cooke, Moncton, N.B.	24 National Drug and Chemical Co., Montreal.	"	22950
	" 16	"	29951	Thos. J. Durick, Newcastle, N.B.	25 Mallinckrodt Chemical Works, New York.	"	22951
	" 19	"	29952	Thomas Wrasan, Campbellton, N.I.	15 Lyman's Ltd., Montreal.	"	22952

DISTRICT OF QUEBEC—F. BELAND, INSPECTOR.

1909.	April 20	Phosphate of Soda	36718	W. Brunette & Cie, Quebec.	10 Provident Chemical Co., U.S.	None	36718
	" 20	"	36719	L. E. Martel, Quebec.	15 National Drug Co., Montreal.	"	36719
	" 20	"	36720	D. R. Gagnon, Quebec.	20 Ed. Mezin & Co., Quebec.	Less than 1 milligram	36720
	" 20	"	36721	V. Giroux, Quebec.	10 Kerry Watson & Co., Montreal.	None	36721
	" 20	"	36722	Larcho & Corry, Quebec.	40 Lyman & Son.	"	36722
	" 20	"	36723	R. B. Roger, Quebec.	25 Kerry Watson & Co., Montreal.	Less than 1 milligram	36723
	" 20	"	36724	T. E. Duib, Quebec.	45 Unknown.	"	36724
	" 20	"	36725	C. T. Deslisle, Quebec.	25 National Drug Co., Montreal.	None	36725
	" 20	"	36726	A. L. Robitour, Quebec.	10 Lyman & Son, Montreal.	"	36726
	" 20	"	36727	F. E. Gauthier & Perre, Quebec.	45 Lyman & Son, Montreal.	"	36727

BULLETIN No. 181.—PHOSPHATE OF SODA.

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Arsenic per 100 Grams.	No. of Sample.
				Quantity	Centre.				

DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.

1909.

April 21	Phosphate of Soda	1056	Dr. Grey, St. Jean	½ lb.		20 Lynans, Ltd., Montreal	Extra pure crystals, Pl.	Less than ½ milligram	1056
" 22	"	1057	G. Dozais, Grashby	½ "		35 E. Merck, Germany		None	1057
" 25	"	1058	J. C. Sutherland, Richmond	½ "		25 Lynans, Ltd., Montreal		"	1058
May 5	"	1059	Fraser's Drug Store, Sherbrooke	½ "		15 " "		"	1059
" 5	"	1060	W. J. H. McKindsey, Lennoxville	1 "		30 National Drug, Montreal	Pure granular	"	1060
" 25	"	1061	Dr. J. A. Viger, St. Hyacinthe	½ "		15 Lynans, Ltd., Montreal		"	1061
" 25	"	1062	Phar. St. Jacques, St. Hyacinthe	1 "		25 National Drug, Montreal		"	1062
" 25	"	1063	Phar. Brodeur, St. Hyacinthe	½ "		15 " "		"	1063
" 26	"	1064	A. G. H. Beique, Magog	½ "		15 Lynans, Ltd., Montreal		"	1064
" 27	"	1065	Wright & Co, St. Jean	½ "		15 " "		"	1065

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DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

1909.

April 19	Phosphate of Soda	40081	Arthur Maillet, Montreal	½ lb.		5 Unknown		None	40081
" 19	"	40082	A. E. Gravelle, Montreal	½ "		13 " "		"	40082
" 23	"	40083	Dr. J. E. St. Onge, Valleyfield, P. Q.	½ "		15 " "		Less than ½ milligram	40083
" 23	"	40084	Quanneville & Guerin, Montreal	½ "		15 " "		None	40084
" 26	"	40085	J. T. Gaudet, Joliette, P. Q.	½ "		35 Lynans, Ltd.		"	40085
May 4	"	40086	J. H. Nault, Montreal	½ "		20 Merck		"	40086

40057	E. Echier, Montreal	25	Lyman's, Ltd.	19157
40058	J. A. Asselin, Montreal	10	"	40058
40059	Louis Fortier, Montreal	20	"	40059

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

1902.	Mar. 16	Phosphate of Soda	22961	Pharmacie Canadienne, Hull	15	Unknown	None	22961
"	"	"	22962	H. Therien, Hull	20	Lyman's, Ltd., Montreal	"	22962
"	"	"	22963	Dr. A. Lyon, Shawville	15	"	"	22963
"	"	"	22964	Jas. Clark, Renfrew	15	"	"	22964
"	"	"	22965	Jos. Valiquette Co., Ltd., Ottawa	20	National Drug & Chemical Co., Ottawa	"	22965
"	"	"	22966	J. M. Plannet, Ltd., Renfrew	20	Lyman Sons & Co., Montreal	Less than 1 milligram	22966
"	"	"	22967	Thos. Payment, Ottawa	20	Ottawa Drug Co., Ottawa	"	22967
"	"	"	22968	E. D. Story, Ottawa	20	Unknown	"	22968
"	"	"	22969	E. R. Desrosiers, Ottawa	15	Ottawa Drug Co., Ottawa	"	22969
"	"	"	22970	Estate W. H. Roger, Ottawa	20	Unknown	"	22970

DISTRICT OF KINGSTON—JAMES HOGAN, INSPECTOR.

1903.	Mar. 17	Phosphate of Soda	39491	H. Skinner, Kingston	8	National Drug Co.	None	39491
"	"	"	39492	A. S. Chown, Kingston	10	Lyman & Sons, Montreal	Less than 1 milligram	39492
"	"	"	39493	W. W. Gibson, Kingston	15	National Drug Co.	"	39493
"	"	"	39494	F. C. Clarke, Belleville	15	"	None	39494
"	"	"	39495	R. Templeton, Belleville	10	Lyman & Sons, Montreal	"	39495
"	"	"	39496	O. G. Johns, Cobourg	15	National Drug Co.	"	39496
"	"	"	39497	A. J. Gould, Cobourg	15	E. G. West, Toronto	Less than 1 milligram	39497
"	"	"	39498	C. J. Webster, Cobourg	15	"	None	39498
"	"	"	39499	McDermid & Jury, Peterboro	15	Drug Trading Co., Toronto	"	39499
"	"	"	39500	L. A. Payne, Peterboro	15	National Drug Co.	Less than 1 milligram	39500

BULLETIN No. 181.—PHOSPHATE OF SODA.

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.	Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Arsenic per 100 Grams.	No. of Sample
				Quantity	Cents.				
April 7	Phosphate of Soda	36246	J. D. Morrison, Hamilton.	13 lb.		13 Winer & Co., Hamilton.	None.		36246
" 8	"	36247	F. E. York, Aurora.	1/2 "		20 National Drug and Chemical Co., Ltd., Na. Pru-Co., Toronto.	"		36247
" 8	"	36248	R. J. Y. Broughton, New Market.	1/2 "		15 Mallinckrodt Chem. Works, M. C. Co., St. Louis, & New York.	Less than 1 milligram		36248
" 12	"	36249	S. Oldham, Branford.	1 "		10 W. R. Campbell, Bradford.	None.		36249
" 13	"	36250	H. G. Robertson, Barrie.	1/2 "		13 Dominion Drug Co., Ltd., Hamilton.	"		36250
" 14	"	36251	Brown Bros., Tottenham.	1/2 "		15 Lyman Bros. & Co., Ltd., Toronto.	"		36251
" 20	"	36252	W. R. Hoar, Toronto.	1/2 "		15 Unknown.	Less than 1/2 milligram		36252
" 20	"	36253	J. H. Huty, Yonge St., Toronto.	1/2 "		15 Mallinckrodt Chem. Works, M. C. Co., St. Louis, & New York.	None.		36253
" 20	"	36254	Chas. J. Stoddart, Toronto.	1/2 "		15 National Drug Co., Ltd., Toronto.	"		36254
" 20	"	36255	W. H. Andrews, Toronto.	1/2 "		15 Drug Trading Co., Ltd., M. C. Co., Toronto.	"		36255

DISTRICT OF LONDON—T. KIDD, INSPECTOR.

Mar. 25	Phosphate of Soda	30594	J. D. McKee, Guelph.	1 lb.		20 Dom. Drug Co., Hamilton.	Less than 1/2 milligram		30594
April 1	"	30619	Walter McKibbin, Wingham.	1 "		35 Drug Trading Co., Toronto.	None.		30619
" 2	"	30628	J. Livingston, Listowel.	1 "		30 National Drug Co., Toronto.	"		30628
" 13	"	30643	J. H. Schmidt, Berlin.	1/2 "		25 " "	"		30643
" 13	"	30644	A. J. Roose, Berlin.	1/2 "		25 " "	"		30644
" 13	"	30645	Clark Bros., Berlin.	1/2 "		25 Lyman Bros., Toronto.	"		30645
" 15	"	30646	Alexander Stewart, Guelph.	1/2 "		27 Nat. Drug Co., Hamilton.	"		30646

"	15	"	39647	A. Poirer, Guelph.....	25	Malmbergh Chem. Works, M. C. Co., St. Louis & N. Y.	"	39637
"	"	"	39648	J. E. Broadfoot, Guelph.....	30	Howard & Sons, Howards, London, Eng.	"	39648
"	15	"	39649	M. Burgardis, Guelph.....	25	Nat. Drug Co., Hamilton..	"	39649

DISTRICT OF WINDSOR—JNO. TALBOT, INSPECTOR.

April	8	Phosphate of Soda.....	34782	E. L. Guillemont, Lon- don.....	10	National Drug Co.....	None.....	34782
"	8	"	34787	M. Sumner, London.....	15	"	"	34787
"	8	"	34789	A. D. Bruce.....	15	Unknown.....	"	34789
"	8	"	34790	H. J. Childs, London East.....	15	National Drug Co.....	"	34790
"	10	"	34793	M. B. Percival, London, Ont.....	20	"	Less than 1 milligram.....	34793
"	14	"	34797	G. H. Small, St Thomas Thomas.....	20	National Drug Co., London, Ont.	None.....	34797
"	14	"	35903	Wm. H. Taylor, St. Thomas.....	20	"	"	35903
"	15	"	35908	W. H. Stepler, Strath- roy.....	20	Unknown.....	"	35908
"	16	"	35913	J. A. Scott, Glencoe.....	20	National Drug Co., London, Ont.	"	35913

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

April	15	Phosphate of Soda.....	35856	West End Drug Stores, Winnipeg.....	15	Unknown.....	None.....	35856
"	15	"	35857	Baird's Drug Store, Win- nipeg.....	20	N. C. Polson & Co., Kingston	"	35857
"	15	"	35858	W. W. McKeague, Win- nipeg.....	25	Unknown.....	Less than 1 milligram.....	35858
"	15	"	35859	E. Nesbitt, Winnipeg.....	25	National Drug Co., Mont- real.	" 1/4 "	35859
"	15	"	35860	D. W. Bradshaw, Winni- peg.....	25	Unknown.....	" 1/4 "	35860
"	15	"	35861	R. J. Pelton, Winnipeg.....	25	The Bole Drug Co., Winni- peg.	None.....	35861
"	16	"	35862	The Gordon Mitchell Drug Co., Winnipeg.....	15	Howard & Sons, London, Eng.	Less than 1 milligram.....	35862
"	16	"	35863	Pulford Drug Co., Win- nipeg.....	20	E. Merck, 'Mercks', Ger- many.	" 1/4 "	35863
"	16	"	35864	Poyntz & Co., Winnipeg.....	15	Thomson Chem. Co., Balti- more, U.S.	None.....	35864
"	16	"	35865	Connell & Co., Winnipeg.....	15	J. Winer & Co., Hamilton..	Less than 1 milligram.....	35865

BULLETIN No. 181.—PHOSPHATE OF SODA.

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				Quantity	Cents.				
DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.									
April 27	Phosphate of Soda.	35521	E. M. Cawker, Medicine Hat.	10	40	Mov & Co., New York.	None.	None.	35521
" 27	"	35522	C. S. Pringle, Medicine Hat.	"	"	Lyman, Sons & Co., Montreal.	None.	None.	35522
" 27	"	35523	B. F. Souch, Medicine Hat.	"	"	Nat. Drug & Chem. Co., Winnipeg.	None.	None.	35523
" 29	"	35524	G. H. Graydon, Edmonton.	"	25	Mallinckrodt Chem. Works, Germany.	None.	None.	35524
" 29	"	35525	T. G. Carson, Edmonton.	"	20	J. Winer & Co., Hamilton.	None.	None.	35525
" 29	"	35526	A. Archibald, Edmonton.	"	"	Mallinckrodt Chem. Works, Germany.	None.	None.	35526
" 29	"	35527	Edmonton Drug Co., Edmonton.	"	"	Lyman, Sons & Co., Montreal.	None.	None.	35527
" 29	"	35528	J. H. Lives, Edmonton.	"	25	N. C. Polson & Co., Kingston.	None.	None.	35528
" 29	"	35529	E. M. Carpenter, Edmonton.	"	"	Lyman, Sons & Co., Montreal.	None.	None.	35529
" 29	"	35530	Laval Pharmacy, Edmonton.	"	15	N. C. Polson & Co., Kingston.	None.	None.	35530

DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

Mar. 29	Phosphate of Soda.	37624	F. J. Mackenzie, New Westminster.	25	"	J. Winer & Co., Hamilton.	None.	None.	37624
" 29	"	37625	T. A. Muir, New Westminster.	"	"	Henderson Bros., Vancouver.	None.	None.	37625
" 29	"	37626	D. S. Curtis, New Westminster.	"	"	Henderson Bros., Vancouver.	Less than 1/2 milligram.	Less than 1/2 milligram.	37626
" 29	"	37627	H. Ryan, New Westminster.	"	"	Henderson Bros., Vancouver.	Less than 1/2 milligram.	Less than 1/2 milligram.	37627
" 29	"	37628	J. Houghton, Vancouver.	"	"	Henderson Bros., Vancouver.	None.	None.	37628

