
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No. 315

Tincture of Opium (Laudanum]

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TINCTURE OF OPIUM (LAUDANUM)

Ottawa, August 4, 1915.

J. U. VINCENT, Esq.,

Deputy Minister Inland Revenue.

SIR,—I have the honour to hand you a report upon one hundred and twenty-seven (127) samples purchased by our inspectors as Tincture of Opium, generally known as Laudanum. These samples were procured throughout the different inspectoral districts of Canada in October, November and December of last year.

Tincture of Opium is one of the most important and widely used drugs of the pharmacopœia; and, containing as it does, a highly active ingredient (morphine) it follows that the greatest care should be had in its preparation and dispensing. It has been made the subject of inspection upon two previous occasions, by this Department. In 1899 (See Bulletin No. 60) fifteen (15) samples were examined, and of this number, five (5) were found to be below standard pharmacopœal requirements. Only one of these was so far deficient as to render it notably adulterated. In 1908 (see bulletin No. 168), thirty-one (31) samples were examined. Of this number sixteen (16) samples were found to be within standard limits; five (5) were above and ten (10) below pharmacopœal requirements. The discrepancies were, however, in most cases, not such as to make the article dangerous in use, although, in a drug of this kind, any variation beyond the limits fixed by authority of the pharmacopœia, should be regarded as serious. It must be apparent that, when the alkaloidal strength is too great, the patient is endangered, while, when too weak, the physician is unable to secure the results desired.

In the present inspection ninety-six (96) samples are found to meet pharmacopœal demands, and are passed as genuine.

It is to be noted here that the British Pharmacopœia requires that morphine should be present in Tincture of Opium to the amount of 0.75 of one per cent, a variation between the limits of 0.70 and 0.80 per cent, being allowed. This has reference to the Edition of 1898, which is the only edition recognized by the Adulteration Act. (Section 7a).

Our pharmacopœia, like those of other countries, is subjected to periodical revision' and as a matter of fact, the British Pharmacopœia was revised last year (13th July 1914). The revised (1914) Edition is now legal authority in the United Kingdom, and I note that the Ontario College of Pharmacy has issued a circular to druggists, endorsing its recognition for Canada. Such action can, of course, carry no legal force, so long as the Adulteration Act remains unchanged. It is, perhaps, regrettable that our Act makes special mention of any particular edition of the British Pharmacopœia, since it is in the nature of things, that each later edition should supplant previous editions. This matter must secure attention by amendment of the Act at an early date.

Tincture of Opium is one of several drugs whose strength is altered in the revised edition of the Pharmacopœia; the alkaloidal strength being made one per cent, in terms of anhydrous morphine, instead of 0.75 per cent, as in the edition of 1898.

Eight samples of the present collection meet the requirements of this new standard of the article. It may be that the manufacturer had intention to furnish a tincture of this strength. If so, the fact should be made known upon the label; and it is evident that, for some time to come, this particular tincture should be so labelled as to show whether it is intended to meet the standard of the pharmacopœia of 1898 or that of 1914.

In a strictly legal interpretation, these samples are adulterated, since the edition of 1898 is the only legal standard for Canada. It is however sufficiently evident that they meet the intention of the Act and they are treated accordingly. Twenty-three (23) samples must be regarded as illegal, nineteen (19) of these being too low in morphine content, and four (4) being too high. Among these the following call for special mention:—

No. 60722	contains	0.19	p.c.	morphine.
" 64620	"	0.44	"	"
" 48999	"	0.47	"	"
" 60143	"	1.25	"	"
" 63014	"	1.28	"	"
" 63546	"	1.26	"	"
" 61997	"	1.48	"	"

The first three samples contain very notable deficiency, and the last four samples as notable excess of morphine. It will be observed that, except in cases where the vendor is the manufacturer, the name of the manufacturer is not published. In most instances the vendor gave the name of a manufacturer, but careful enquiry proves that, in a majority of these cases, the manufacturer had furnished an opium concentrate, of assayed strength, from which the retail vendor prepared his tincture. I have caused several of these concentrates to be examined, and in every case have found them to be as represented by the manufacturer. They are usually from five to seven times as strong as the tincture, and directions are furnished for dilution so as to prepare the pharmacopœial tincture. This dilution being done by the retailer, it would evidently be improper to hold the manufacturer of the concentrate responsible for the character of the tincture as sold. The concentrate referred to is not strictly a pharmacopœial preparation, but when it is correctly assayed and labelled, it is a very desirable and convenient material for the preparation of a tincture. Responsibility for the quality of the tincture must rest with the vendor, and if through evaporation of the solvent or inaccuracy in measurement, he sells a tincture either too weak or too strong in morphine, the blame cannot be shifted to the manufacturer of a concentrate.

Of course, it follows that occasional inspection of the concentrates themselves must be made, not only in the interest of the public, but as a protection to the retail druggist.

I beg to recommend publication of this report as bulletin No. 315.

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

A. MCGILL,
Chief Analyst.

BULLETIN No. 315—TINCTURE OF OPIUM (LAUDANUM.)

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.—Anhydrous Morphine present in 100 c.c.	No. of Sample.	Remarks and Opinion of the Chief Analyst. (References are to the 1898 Edition of the British Pharmacopœia).
				Quantity.	Cents.	Manufacturer.	Furnisher.				

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

1914.											
Dec. 15	Tincture of opium.	54201	Chas. Hutchins, Liverpool, N.S.	6 oz.	50	Vendor.....			0 77	54201	Meets B. P. requirements.
" 16	"	54202	H. F. Porter, Bridgewater.	6 "	1 00	"			0 69	54202	" "
" 29	"	54203	National Drug & Chemical Co. Halifax.	6 "	90	"			0 78	54203	" "
1915.											
Jan. 11	"	54204	E. M. McLeod, Halifax.	6 "	90	"			0 71	54204	" "
" 11	"	54205	G. McGillvary, Halifax.	6 "	75	"			0 79	54205	" "

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

1914.											
Nov. 6	Tincture of opium.	59621	National Drug & Chemical Co. St. John.	6 oz.	90	Vendors.....			0 95	59621	Above B. P. strength as per B. P. of 1898. Meets requirements of revised edition.
" 11	"	59622	The Canadian Drug Co., Ltd. St. John.	6 "	90	"			0 72	59622	Meets B. P. requirements.
" 20	"	59623	Arthur J. Ryan, Fredericton.	6 "	1 20	"			0 70	59623	" "

Dec. 8	"	59624	B. J. Sharp, Sussex.	6 "	90	"			1 03	59624	Above B. P. strength. Meets requirements of revised B. P.
									0 79	59625	Meets B. P. requirements.

"	20	"	59623	St. John, Arthur J. Ryan, Fred erickson.	6	"	1 20	.....	.....	.....	0 70	59623	"	"
Dec.	8	"	59624	B. J. Sharp, Sussex	6	"	90	.....	.....	.....	1 03	59624	Above B. P. strength. Meets	requirements of revised
"	9	"	59625	Leger Drug Co., Ltd., Moncton.	6	"	1 20	Vendors	.....	.....	0 72	59625	Meets B. P. requirements.	

DISTRICT OF PRINCE EDWARD ISLAND—WM. WEEKS, INSPECTOR.

Oct.	26	Tincture of opium.	60141	E. A. Foster, Charlotte- town.	6	oz.	80	.....	.....	.....	0 73	60141	Meets B. P. requirements.
"	27	"	60142	Johnson & Johnson, Charlottetown.	6	"	90	.....	.....	.....	0 77	60142	" "
"	30	"	60143	Geo. E. Hughes, Char- lottetown.	6	"	90	.....	.....	.....	1 25	60143	Much above B. P. strength.
"	30	"	60144	The McKinnon Drug Co. Charlottetown.	6	"	90	.....	.....	.....	0 83	60144	Meets B. P. requirements.

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

Nov.	10	Tincture of opium.	60719	Jos. Masson, 808 rue St. Valier, Quebec.	6	oz.	60	.....	.....	.....	0 76	60719	Meets B. P. requirements.
"	10	"	60720	J. B. Giroux, 387 rue St. Joseph, Quebec.	6	"	75	.....	.....	.....	0 69	60720	" "
"	10	"	60721	W. Brunette & Cie, 138 rue St. Joseph, Quebec.	6	"	1 50	.....	Vendor	.....	0 69	60721	" "
"	11	"	60722	A. Fournier, 516 rue St. Jean, Quebec.	6	"	70	Unknown	.....	Unknown	0 19	60722	Much below B. P. require- ments.
"	11	"	60723	A. E. Francoeur, 379½ rue St. Jean, Quebec.	6	"	1 50	Vendor	.....	.....	0 74	60723	Meets B. P. requirements.
"	11	"	60724	A. L. Jolicœur, 338 rue St. Jean, Quebec.	6	"	1 20	.....	.....	.....	0 94	60724	Above B. P. strength for B. P. of 1898. Correct for re- vised edition.
"	12	"	60725	G. E. Dube, 43 rue St. Jean, Quebec.	6	"	75	.....	.....	.....	0 73	60725	Meets B. P. requirements.
"	12	"	60726	Henry Welin, 451 rue St. Jean, Quebec.	6	"	60	.....	.....	.....	0 81	60726	" "
"	12	"	60727	W. B. Rogers, 44 rue la Fabrique, Quebec.	6	"	1 50	.....	.....	.....	0 75	60727	" "
"	12	"	60728	L. E. Martel, 51 rue St. Joseph, Quebec.	6	"	70	.....	.....	.....	0 75	60728	" "

BULLETIN No. 315—TINCTURE OF OPIUM (LAUDANUM).

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. — Anhydrous Morphine present in 100 c.c.	No. of Sample.	Remarks and Opinion of the Chief Analyst. — (References are to the 1898 edition of the British Pharmacopoeia).
				Quantity.	Cents.	Manufacturer.	Furnisher.				

DISTRICT OF QUEBEC PROVINCE—N. CADIEUX, T. GENDREAU, INSPECTORS.

1914.											
Nov. 2	Tincture of opium.	214	Omer St. Amour, Ste Agathe des Monts.	3 oz.	60	Vendor			0 65	214	Nearly meets B. P. requirements, but somewhat too weak.
" 11	"	216	Eug. Fournier, Ste Jerome.	6 "	1 00				0 70	216	Meets B. P. requirements.
Dec. 26	"	243	H. Deschambault, Ste Theres.	5 "	1 00				0 68	243	" "
Nov. 25	"	2735	Dr. Jos. Gagnon, Montmagny.	6 "	1 20				0 76	2735	" "

DISTRICT OF THREE RIVERS—DR. V. P. LAVALLEE, INSPECTOR.

Oct. 29	Tincture of opium.	2623	L. P. Normand, Three Rivers.	6 oz.	1 20	Vendor			0 85	2623	Meets B. P. requirements.
" 29	"	2624	L. A. Peltier, Three Rivers.	6 "	2 40				0 81	2624	" "
" 29	"	2639	R. W. Williams, Three Rivers.	6 "	75				0 98	2639	Above B.P. strength for B.P. of 1898. Correct for revised edition.
Nov. 4	"	3907	A. L. Boucher, Joliette.	6 "	1 13	Vendor			0 78	3907	Meets B. P. requirements.
" 4	"	3908	L. C. Rivest, Joliette	6 "	90	"			0 81	3908	" "

DISTRICT OF MONTREAL—D. J. KEARNEY, INSPECTOR.

DISTRICT OF MONTREAL—D. J. KEARNEY, INSPECTOR.

Nov. 23	Tincture of opium.	62550	Mrs. Freedman, 1068 St. Lawrence Boul., Montreal.	6 oz.	1 20	Vendor	0 79	62550	Meets B. P. requirements.
" 23	"	62551	Lanctot & Brault, 820 St. Lawrence Boul., Montreal.	6 "	1 20	"	0 65	62551	Nearly meets B. P. requirements, but somewhat too weak
" 23	"	62552	Alfred F. Larose, 2 Sherbrooke st. E., Montreal	6 "	1 20	Vendor	0 72	62552	Meets B. P. requirements.
" 23	"	62553	Wenfelds Pharmacy, 458 St. Lawrence Boul., Montreal.	6 "	1 20	"	0 71	62553	" "
" 24	"	62554	W. Lessard, 1400 Wellington st., Verdun.	5 "	1 00	"	0 75	62554	" "
" 25	"	62555	Dr. V. Rheume, 183 Church ave., Verdun.	6 "	1 20	Vendor	0 79	62555	" "
" 25	"	62556	Dr. S. Ste Marie, 447 Church ave., Verdun.	6 "	1 20	"	0 80	62556	" "
" 26	"	62557	Bisaillon & Hirbour, 258 St. Denis St., Montreal	6 "	1 20	Vendor	0 71	62557	" "
" 27	"	62558	R. W. Bryson, Cor. Peel and St. Catherine Sts., Montreal.	6 "	1 20	"	0 77	62558	" "
" 27	"	62559	American Drug Store, 557 St. Catherine St., Montreal.	6 "	1 20	"	0 74	62559	" "

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

Oct. 30	Tincture of Opium.	63011	H. E. Dulberger, Sherbrooke.	6 oz.	3 00	"	0 69	63011	Meets B.P. requirements.
" 30	"	63012	Pharmacie Gagnon, Sherbrooke.	6 "	1 00	"	0 66	63012	" "
Nov. 10	"	63013	J. G. Brown, Danville	6 "	1 25	"	0 80	63013	" "
" 10	"	63014	E. C. Drolet, Coaticook	6 "	1 00	"	1 28	63014	Much above B.P. strength.
" 10	"	63015	F. F. Ansell, Sherbrooke	6 "	1 50	"	0 85	63015	Meets B.P. requirements.
" 17	"	62831	Dr. Wallace, Buckingham.	6 "	1 20	"	0 76	62831	" "
" 18	"	62832	P. Q. Sabourin, St. Johns	6 "	1 00	"	0 74	62832	" "
" 18	"	62833	Wight & Co., St. Johns	6 "	60	"	0 61	62833	Below B.P. requirements.

BULLETIN No. 315—TINCTURE OF OPIUM (LAUDANUM).

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. — Anhydrous Morphine present in 100 c.c.	No. of Sample.	Remarks and Opinion of the Chief Analyst. (References are to the 1898 Edition of the British Pharmacopoeia.)
				Quantity.	Cents.	Manufacturer.	Furnisher.				

DISTRICT OF EASTERN TOWNSHIPS AND VALLEYFIELD—*Concluded.*

1914.											
Nov. 20	Tincture of Opium.	62834	H. M. Davies, St. Lambert.	6 oz.	1 00				0 72	62834	Meets R.P. requirements.
Dec. 9	"	62835	James Fortune, Huntingdon.	6 "	90				0 71	62835	" "

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

Oct. 31	Tincture of Opium.	63546	J. A. Johnston, Smiths Falls.	6 oz.	1 25				1 26	63546	Much above B.P. strength.
" 31	"	63547	L. A. Wilson, Smiths Falls.	6 "	1 25	Vendor			0 74	63547	Meets B.P. requirements.
Nov. 5	"	63548	Hull Medical Hall, Hull.	6 "	1 25				0 86	63548	" "
" 5	"	63549	H. Therin, Hull	6 "	1 25				0 77	63549	" "
" 6	"	63550	D. J. Johnston, Ottawa.	6 "	1 25	Vendor			0 83	63550	" "
" 6	"	63551	Allan & Cochrane, Ottawa.	6 "	1 25	Vendors			0 79	63551	" "
" 7	"	63552	E. M. Ahearn, Ottawa.	6 "	1 25	Vendor			0 73	63552	" "
" 7	"	63553	E. J. Durocher, Ottawa.	6 "	1 25				0 79	63553	" "
" 7	"	63554	J. A. Mu-grove, Ottawa.	6 "	1 25				1 07	63554	Above B. P. Strength for B. P. of 1898. Meets requirements of revised edition.
" 7	"	63555	N. W. Campbell, "	6 "	1 25	Vendor			0 77	63555	Meets B. P. requirements.

"	7	"	63555	N. W. Campbell,	"	6	"	1 25	Vendor.....			0 77	63555	Meets B. P. requirements.
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DISTRICT OF KINGSTON—JAMES HOGAN, INSPECTOR.

Nov.	2	Tincture of Opium.	61575	F. L. Hooper, Napanee..	6 oz.	75	Vendor.....			0 84	61575	Meets B. P. requirements.
"	2	"	61576	F. B. Wallace, " ..	6 "	1 50	"			0 72	61576	" "
"	3	"	61577	D. M. Waters, Belleville.	6 "	90	"			0 73	61577	" "
"	3	"	61578	O. G. Johns, Cobourg...	6 "	1 05	"			0 67	61578	" "
"	4	"	61579	The Warne Drug Co., Peterb. ro.	6 "	90	"			0 67	61579	" "

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

Nov.	16	Tincture of Opium.	64612	A. H. Johnson, Colling wood.	6 oz.	65	.....			0 73	64612	Meets B. P. requirements.
"	17	"	64613	Geo. Monkman, Barrie..	6 "	75	.....			0 65	64613	Nearly meets B. P. require- ments but somewhat too weak.
"	18	"	64614	C. A. Nettleton, Pene- tang.	6 "	1 29	.....			0 70	64614	Meets B. P. requirements.
"	19	"	64615	G. W. Gerie, Midland...	6 "	75	Vendor from con- centrated.			0 73	64615	" "
"	19	"	64616	H. Ball, Orillia	6 "	1 29	.....			0 66	64616	Nearly meets B. P. require- ments but slightly too weak
"	21	"	64617	Wm. Crossland, Barrie..	6 "	1 25	Vendor..			0 76	64617	Meets B. P. requirements.
"	25	"	64618	Geo. H. Hannah, 221 Spadina ave., Toronto.	6 "	90	"			0 70	64618	" "
"	25	"	64619	W. H. Anderson, 609 B Dundas st., Toronto.	6 "	1 20	.....			0 72	64619	" "
"	27	"	64620	R. P. Weeks, 186 Wilton ave., Toronto.	6 "	1 00	.....			0 44	64620	Below B. P. requirements.

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

Nov.	2	Tincture of Opium.	64547	T. F. & T. J. Brown, Orangeville.	6 oz.	90	.....			0 61	64547	Below B. P. requirements.
"	3	"	64548	Parker & Co., 358 2nd Ave. E., Owen Sound	6 "	75	.....			0 63	64548	" "
"	4	"	64549	J. Paterson, Warton.	6 "	75	.....			0 61	64549	" "
"	6	"	64551	H. G. Hunter, Walker- ton.	6 "	90	.....			0 61	64551	" "

BULLETIN No. 315—TINCTURE OF OPIUM (LAUDANUM).

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. — Anhydrous Morphine present in 100 c.c.	No. of Sample.	Remarks and Opinion of the Chief Analyst. — (References are made to the 1898 edition of the British Pharmacopœia.)
				Quantity.	Cents.	Manufacturer.	Furnisher.				

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

1914											
Nov. 4	Tincture of Opium.	63948	W. S. McDonald, Tillsonburg.	9 oz.	3 25				0 59	63948	Below B. P. requirements.
" 4	"	63956	J. Austen & Co., Simcoe.	6 "	1 20				0 63	63956	" "
" 5	"	63964	E. H. Jackson, Simcoe.	6 "	1 20				0 77	63964	Meets "
" 6	"	63968	J. B. Richards & Co., Aylmer.	6 "	75				0 68	63968	" "
" 6	"	63959	Ed. A. Caughell.	6 "	90	Vendor.			0 96	63959	Above B. P. strength for edition of 1898. Correct for revised edition of 1914.
" 27	"	63977	W. F. Saunders & Co., London.	6 "	75	"			0 71	63977	Meets B. P. requirements.

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

Oct. 30	Tincture of Opium.	48991	J. K. Hill, Portage-la-Prairie.	6 oz.	1 25				0 67	48991	Meets B. P. requirements.
" 30	"	48992	Portage Pharmacy, Portage-la-Prairie.	6 "	1 50				0 72	48992	" "
Nov. 3	"	48993	Clements Drug Store, Brandon.	6 "	1 50				0 68	48993	" "
" 3	"	48994	McCaloughs Drug Store, Brandon.	6 "	1 25				0 83	48994	" "
" 4	"	48995	Robertson & Co., Brandon.	6 "	1 50				0 93	48995	Above B. P. strength for B. P. of 1898. Correct for revision of 1914.

" 10 " 48996 Saunders Drug Store, Carman. 6 " 1 25 " " " " " 0 70 48996 Meets B. P. requirements.

" 12 " 48997 Gladstone Drug Co., 6 " 1 25 " " " " " 0 70 48997 " "

"	4	"	4895	R. J. Peterson & Co., Brandon.	6	"	1 50	.....	.....	.....	0 93	4895	Above B. P. strength for B. P. of 1898. Correct for revision of 1914.
"	10	"	4896	Standers Drug Store, Carman.	6	"	1 25	.....	.....	.....	0 76	4896	Meets B. P. requirements.
"	12	"	4897	Gladstone Drug Co., Gladstone.	6	"	1 25	.....	.....	.....	0 70	4897	" "
"	16	"	4898	St. James Pharmacy, St. James.	6	"	1 50	.....	.....	.....	0 72	4898	" "
"	17	"	4899	W. H. C. Gibbs, Selkirk.	6	"	2 10	.....	.....	.....	0 42	4899	Below B. P. requirements.
"	17	"	4900	R. H. Gilhully, Selkirk.	6	"	1 80	.....	.....	.....	0 73	4900	Meets B. P. requirements.

DISTRICT OF SASKATCHEWAN—L. H. HALL, INSPECTOR.

Oct.	29	Laudanum..	64064	A. Dulmage Ltd., Saskatoon.	6	oz.	2 10	Vendor.....	.....	.....	0 86	64064	Meets B. P. requirements.
"	29	" ..	64065	Central Drug Store, Saskatoon.	6	"	1 50	" .....	.....	.....	0 55	64065	Below B. P. requirements.
"	31	" ..	64066	A. Duncan, Regina.....	6	"	1 50	" .....	.....	.....	0 69	64066	Meets B. P. requirements.
Nov.	3	" ..	64067	Dr. Boyd, Penne.....	6	"	75	.....	.....	.....	0 77	64067	" "
"	2	" ..	64080	T. W. Bradley, Mortlack.	6	"	1 50	Vendor.....	.....	.....	0 94	64080	Above B. P. strength for edition of 1898. Correct for revision of 1914.

DISTRICT OF ALBERTA—A. W. R. MARKLEY, INSPECTOR.

Nov.	19	Tincture of Opium.	52039	Macfarlane Drug Store, Calgary.	6	oz.	1 00	Vendor.....	.....	.....	0 71	52039	Meets B. P. requirements.
"	23	"	52040	The Palace Pharmacy, Stettler.	6	"	1 00	.....	.....	.....	0 70	52040	" "
"	25	"	52041	H. W. Johnston, Camrose.	6	"	1 00	Vendor.....	.....	.....	0 67	52041	" "
"	26	"	52042	T. F. Ball, Wetaskiwin.	6	"	1 50	.....	.....	.....	0 73	52042	" "
"	27	"	52043	City Pharmacy, Lacombe.	6	"	75	Vendor.....	.....	.....	0 54	52043	Below B. P. requirements.

DISTRICT OF ROCKY MOUNTAINS—THOS. PARKER, INSPECTOR.

Nov.	20	Laudanum..	61723	A. F. Rankine, Merritt..	6	oz.	1 25	.....	.....	.....	0 82	61723	Meets B. P. requirements.
"	23	" ..	61735	J. H. Clements, Kamloops.	6	"	1 25	.....	.....	.....	0 81	61735	" "
"	23	" ..	61736	A. Galloway, Kamloops.	6	"	1 25	.....	.....	.....	0 70	61736	" "

BULLETIN 315.—TINCTURE OF OPIUM (LAUDANUM).

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. — Anhydrous Morphine present in 100 c.c.	No. of Sample.	Remarks and Opinion of the Chief Analyst. — (References are to the 1898 Edition of British Pharmacopoeia.)
				Quantity.	Cents.	Manufacturer.	Furnisher.				

DISTRICT OF ROCKY MOUNTAINS—*Concluded.*

1914.											
Dec.	1	Laudanum.	61739	Canada Drug Co., Nelson.	6 oz.	1.50	.....	.....	0.77	61739	Meets B. P. requirements.
"	1	"	61740	Rutherford Drug Co., Nelson.	6 "	1.50	.....	.....	0.61	61740	Below B. P. requirements.

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

Oct.	31	Tincture of Opium.	55141	C. H. McFarlane, Eburn	6 oz.	1.50	.....	.....	0.77	55141	Meets B. P. requirements.
Nov.	2	"	55142	Campbells Ltd, Granville & Hastings, Vancouver.	6 "	1.50	.....	.....	0.72	55142	" "
"	2	"	55143	Woods Pharmacy, 601 Hastings St., Vancouver.	6 "	1.20	.....	.....	0.66	55143	Nearly meets B. P. requirements. Slightly too weak.
"	2	"	55144	Vancouver Drug Co., 405 Hastings St., Vancouver.	6 "	1.50	.....	.....	0.72	55144	Meets B. P. requirements.
"	2	"	55145	Marrett & Reid, 157 Hastings St., Vancouver.	6 "	2.00	Vendors	.....	0.77	55145	" "
"	2	"	55146	E. T. Knowlton, 15 Hastings St., Vancouver.	6 "	2.50	.....	.....	0.76	55146	" "
"	2	"	55147	Woodward Dept. Stores, Vancouver.	6 "	1.25	Vendors	.....	0.53	55147	Below B. P. requirements.
"	31	"	55148	MacLennans Drug Store, 750 Columbia St., New Westminster.	6 "	1.50	.....	.....	0.74	55148	Meets B. P. requirements.

"	2	"	..	55147	Woodward Dept. Stores, Vancouver.	6	"	1.25	Vendors.....	.....	.....	.....	0.53	55147	Below B. P. requirements.
"	3	"	..	55148	MacLennans Drug Store, 759 Columbia St., New Westminster.	6	"	1.50	"	.....	.....	.....	0.74	55148	Meets B. P. requirements.
"	3	"	..	55149	H. Ryall, 701 Columbia St., New Westminster.	6	"	1.00	.....	.....	.....	.....	0.68	55149	" "
"	3	"	..	55150	D. T. Curtis & Co., 659 Columbia St., New Westminster.	6	"	1.50	.....	.....	.....	.....	0.81	55150	" "

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

Nov.	13	Tincture of Opium.	of	61996	G. A. Fraser & Co., 912 Govt. St., Victoria.	6	oz.	1.50	Vendor.....	.....	.....	.....	0.73	61996	Meets B. P. requirements.
"	13	"	..	61997	F. J. Williams, 613 Fort St., Victoria.	6	"	1.50	.....	.....	.....	.....	1.48	61997	Much above B. P. strength.
"	13	"	..	61998	D. E. Campbell, Cor. Fort & Douglas St., Victoria.	6	"	1.50	.....	.....	.....	.....	0.82	61998	Meets B. P. requirements.
"	13	"	..	61999	W. S. Terry, 705 Fort St., Victoria.	6	"	.75	.....	.....	.....	.....	0.71	61999	" "
"	13	"	..	62000	G. U. Bowes, 1228 Govt. St., Victoria.	6	"	1.50	.....	.....	.....	.....	0.79	62000	" "