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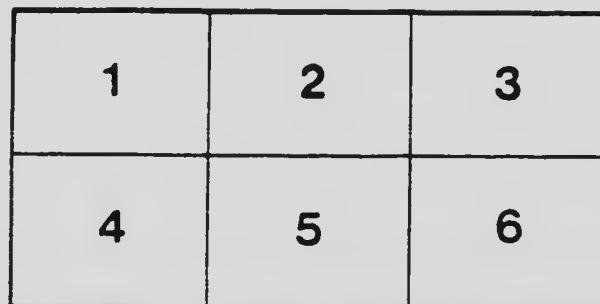
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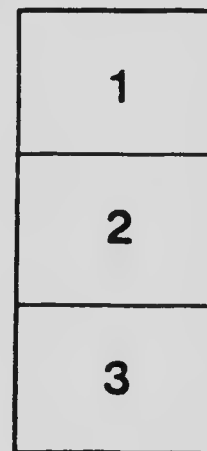
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 300

White Lead in Oil as Sold in Small Packages

Ottawa, March 15, 1915.

CORRECTION.

Bulletin No. 298, page 8, Milk Sample No. 62375, collected June 12, 1914, at Valleyfield

It has been learned by the Department that this sample was transferred by our inspector to an empty bottle in the driver's van before being sent to Ottawa for analysis. The empty bottle referred to had been opened and exposed to the dust of the road, and it is quite possible that the dirt reported as found in the milk may have obtained access to the milk during the transference referred to.

This explanation is made immediately upon the Department becoming aware of the facts and in justice to The Montreal Cottons Company, Valleyfield.

Chief Analyst.

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 300

White Lead in Oil as Sold in Small Packages

OTTAWA, January 30, 1915.

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

SIR,—I beg to hand you a report upon 104 samples purchased throughout Canada by our inspectors as *White Lead, Ground in Oil*. This collection was made in May and June of last year, and was consequent upon repeated complaints having been made to this department that substitutes for White Lead were widely offered for sale under names which did not correctly describe them, or give the purchaser to understand that he was buying another article than White Lead. Most of the samples now reported were purchased in one-pound tins, this being the usual mode of sale of the article as complained of.

Many of the substitutes for an article which, like white lead, is employed for many different purposes, cannot be condemned, except where fraud or deception are in evidence. The chief use to which white lead is put, is as a paint material; but subsidiary uses are as a lute in joining pipes; as a whitener in putty; as a filler preparatory to painting; as a lubricant and fixative in dowelling, etc. It would appear, from evidence which has been furnished to me, that it has become customary to regard the article when put up in one and two-pound tins, as intended for these subsidiary uses. White lead, intended for use as a paint material proper is seldom purchased in smaller quantities than ten pounds, and it has come to be accepted that the small package is intended to subserve a purpose for which a cheaper material may be even better suited. The name "White Lead" is retained, not for purposes of deception, but from established custom, and the change in character of the article, has been a gradual one, proceeding from a small substitution of other substances for carbonate of lead, to the total replacement of lead by sulphide of zinc, barytes, and other material.

Growing out of recognition of the facts, as stated, it has become customary to distinguish between *White Lead* and *Pure, or Genuine White Lead*; a distinction entirely at variance with the fundamental principle of the Adulteration Act, which requires that every article shall be true to name, unless specifically labelled to show that it is a compound, mixture or substitute.

The fourth schedule to the Adulteration Act defines *Dry White Lead* as follows: "Basic carbonate of lead prepared by the corrosion of metallic lead." *White Lead in Oil* is defined as "Dry White Lead ground in pure linseed oil, in the proportion of 90 to 92 per cent of the former, to 8 to 10 per cent of the latter."

These definitions appear to be sufficiently explicit. They must, however, be read in connection with Section 38 of the Act. (R.S. 1906), as follows: "Every person who marks, brands or labels any article or any package containing any article mentioned in the first column of the fourth schedule to this Act, with the word *pure* or *genuine*, or any word equivalent thereto, or sells or offers or exposes for sale any such article or package, unless such article, or the contents of such package are *pure* within the meaning of the second column of the said schedule, shall, for every violation, be liable to a penalty not exceeding one hundred dollars."

It is apparent from the results of this inspection that manufacturers and vendors of white lead, in admixture with barytes or other substance, have proceeded upon the assumption that they did not render themselves liable to penalty by labelling such mixtures as *White Lead* so long as they did not describe it as *pure* or *genuine*; and it must be confessed that Section 38 seems to afford some basis for such an interpretation. As I have already pointed out this interpretation is however entirely at variance with the fundamental principle of the Act, which demands, that the purchaser of any article shall be supplied with the thing he demands, and that he shall be made aware, by the label, or otherwise, of the nature of the article supplied to him. This is made clear, so far as foods are concerned by Section 3, which states the conditions under which food shall be deemed to be adulterated, within the meaning of the Act. Sub-section (b) defines as adulteration, the substitution of any inferior or cheaper substance, wholly or in part, for the articles demanded. This is modified by Section 21 (d) which permits the sale of mixtures or compounds, if these are distinctly labelled, in accordance with the facts.

Although Section 3, applies specifically to *foods*, it is reasonable to infer that the principle of explicit and truthful declaration is intended to apply as well to the articles named in Schedule 4, as to *foods*. In other words; just as when an article is sold as pepper or coffee or butter, it is required to be pepper, or coffee or butter, unmixed with foreign matters, so, an article sold as white lead, should be simply *white lead* and not a mixture of white lead with barytes or other cheaper substance. It is not necessary that the purchaser ask for *pure pepper*; his demand for pepper assumes that pure pepper is wanted and requires that pure pepper be tendered. So it should not be necessary to ask for *pure white lead*, in order to receive such article. A demand for *white lead* should be sufficient, and if a mixture of white lead with barytes is offered, the article should be labelled in such a way as to show that barytes is present; or at least to show that a mixture, and not simply white lead is offered.

If, in the light of Section 38 of the Act, it is not sufficiently clear that the sale for white lead of a mixture of white lead with barytes, or other cheaper substance constitutes adulteration, then it is evident that the Act must be amended in such a way as to make the matter quite clear. It is certain that purchasers of white lead are continually deceived in being induced to believe that they buy genuine white lead when they are really supplied with a mixture containing 50 per cent or more of barytes; or, in some cases, containing no lead at all.

Sixty-one samples, or more than 58 per cent. of this collection, consists of material sold as white lead, and containing amounts of barytes varying from about 25 to over 90 per cent. Thirty-two of these samples contain over 50 per cent of barytes. All of these are sold as white lead, although it is true that none of them claim in so many words, to be *pure* or *genuine*. I have marked them, in the table, as containing barytes, without declaration. Ten other samples contain no white lead.

This line is placed above at the anterior.

Three other samples are found to contain no lead; but although involved by our inspector as white lead, and apparently sold as such, examination of the label shows that these samples are not named white lead, but as zinc white, colonial white, or American white. They must be therefore be regarded as genuine. Thirty samples sold as white lead are found to be true to name. The results may be synoptically as below:—

Genuine, as being white lead.	30 samples.
" not being labelled white lead.	3 "
Questionable, as containing barytes or other cheaper substance while sold as white lead.	71 "
Total.	104 "

In connection with this subject, the following citation from Lunge and Keane's "Technical Methods of Chemical Analysis," Vol. III, p. 917, may be put in evidence:—
 "Since technically pure white lead is too expensive for many industrial purposes, it is treated with white "fillers"....."

As long as these adulterated qualities are described as such, no objection can be made against them. It must be taken for granted that the comparatively low covering power of these qualities is known. Two methods are in use for denoting these products; special names, or distinguishing appendices (numbers, letters) to the name "white lead." Included in this group are the commercial varieties; Venetian White, which contains equal parts of white lead and heavy spar, or "blanc fixe;" Hamburg White which contains 1 part of white lead and 2 parts of heavy spar; and Dutch White, which contains 1 part of white lead and 3 parts of heavy spar. According to the second method of designation, the technically pure pigment is described as white lead "pure," and the adulterated varieties are denoted by numerals 1, 11, 111, or 1st, 2nd, etc."

The methods of distinction above named would undoubtedly serve the purpose of informing the initiated as to the true composition of the article. But it cannot be claimed that the public generally would be much wiser on being told that the sample offered was white lead number 1 or number 2. The word mixture or compound would seem to be more to the purpose; but honesty requires that the presence and amount of barytes, or other ingredient, should be plainly stated on the label.

In view of the explanations made in the earlier part of this report which seem to dispose of any suspicion of intentional fraud on the part of the manufacturers or dealers; I would respectfully commend to the consideration of this department the following propositions:—

1. That no action be taken in the case of samples herein reported.
2. That Section 38 of the Act be deleted, or so modified by revision, as not to conflict with the fundamental principle of *truth to name*.
3. That the name white lead on the label of any package shall be understood to mean that white lead as defined in Schedule 4, is contained in such package, unless the word *compound* or *mixture* is plainly printed on such label; or the actual content of the package is specifically declared.

I beg to recommend publication of this report as Bulletin No. 300.

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—

1910.							
June 11	White Lead (ground in oil)	41852	J. A. Crowell & Co., Yarmouth, N.S.	3 tins	30	Martin Senour Mfr. Co., Montreal	
" 24	"	41857	Wm. Stearns, Son & Morrow, Halifax, N.S.	3 "	45	Brandram Henderson, Halifax, N.S.	
" 24	"	41858	Jas. Simmonds, Ltd., Halifax, N.S.	3 "	35	Lewis Berger & Son, London, Eng.	
" 24	"	41859	Martin Senour Co., Halifax, N.S.	3 "	24	Vendors, Montreal	
" 24	"	41860	" " "	3 "	27	"	

DISTRICT OF NEW BRUNSWICK—

June 8	White Lead (ground in oil)	50521	Brandram Henderson, Ltd., St. John, N.B.	3 tins	35	Vendors, Halifax, N.S.	
" 9	"	50522	W. H. Thorne & Co., Ltd., St. John, N.B.	3 "	45	Canada Paint Co., Ltd., Montreal	
" 16	"	50523	Mills Evesleigh Co., Ltd., Sussex, N.B.	3 "	45		Sumner Co., Moncton, N.B.
" 26	"	50525	W. F. Dibbles & Son, Woodstock, N.B.	3 "	30		Brandram Henderson, St. John, N.B.
" 18	"	50546	M. A. E. Goggin, Chatham, N.B.	3 "	30	A. Ramsay, Son & Co., Montreal	

DISTRICT OF QUEBEC CITY—

May 18	Blanc Plomb	50290	J. E. Rousseau, 1289 Rue St. Valier, Quebec	3 b'cs	45	P. D. Dadds Co., Mfrs Montreal	
" 27	"	50297	Gauthier & Belanger, 268 Rue du Roi, Quebec	3 "	36	Canadian Paint Co., Montreal	
" 26	"	50298	La Comp. Martineau, 135 Rue St. Joseph, Quebec	3 "	36	British North America Paint Co.	
" 26	"	50299	M. Hudon, 101 Rue du Pont, Quebec	3 "	30	" " " "	
" 26	"	50270	H. Young & Co., 111 Rue du Pont, Quebec	3 "	39	A. Ramsay & Mfrs Son, Montreal	

WHITE LEAD (GROUNDED IN OIL)

Inspector's Report, is not an expression of opinion.	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (Pb)	Solids (Pigment)	Lead soluble in acetic acid estimated as basic carbonate.	Residue Insol- uble in Acetic Acid.		

R. J. WAUGH, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.		
Sold as 2nd quality	8.6	91.4	None.	Zinc sulphide = 7.18, bary- tes = 92.5.	41852	Is not white lead.
London No. 1 ground in linseed oil	6.8	93.2	61.83	47.06	41857	Contains barytes, without declaration.
No. 1 Reduced White Lead.	6.2	93.8	73.72	35.94	41858	" "
....	10.5	89.5	None	Baryte = 90.74 %. Zinc sul- phide = 8.32 %.	41859	1 not white lead.
"Red Seal" Brand	7.3	92.7	98.01	0.94	41860	Genuine.

JNO. C. FERRISON, INSPECTOR.

.....	9.8	90.2	98.32	0.40	59521	Genuine.
Snow white zinc	17.3	82.7	None.	Zinc oxide = 93.87%.	59522	Sold as zinc white. Gen- uine.
Bought by vendor as best quality White Lead.	5.4	94.6	99.16		59523	ine.
London White Lead ground in refined linseed oil.	6.6	93.4	27.68	67.34	59525	Contains barytes, without declaration.
White Lead	6.6	93.4	65.92	14	59546	" "

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

.....	7.1	92.9	97.88	0.84	56266	Genuine.
.....	11.0	89.0	1.92	Baryte = 94.14 %. Zinc sul- phide = 4.30 %.	56267	Is not white lead.
Sold as White Lead.	7.9	92.1	27.35	72.43	56268	Contains barytes, without declaration.
.....	8.4	91.6	27.79	71.50	56269	" "
.....	9.4	90.6	22.35	77.54 Lead = 24.92% as basic sul- phate.	56270	" "

BULLETIN No. 300—

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 EAST QUEBEC—							
1914.							
June 3	Blanc Plomb.	53398	Union Agricol, St. Anne.	3 b'xs.	86	British North America for Canada Paint	
DISTRICT OF WEST QUEBEC—							
July 13	Blanc Plomb.	2373	Paul Fortier, St. Agathe des Monts.	3 lbs.	30	Brandram Henderson.	
June 3	" "	2539	Ad. Larochelle, St. Ma-gloire.	3 " "	27		Herman Young Co., Quebec.
" 3	" "	2544	Ant. Labrecque, St. Raphael.	3 b'xs.	30		L. H. Herbert.
" 3	" "	2546	J. A. Lefieux, St. Michel.	3 lbs.	24	Canadian Oil Co., Ltd.	
" 3	" "	2549	Lewis Bros., Ltd.	3 b'xs.	30	Montreal Rolling Mills Co., Montreal.	
DISTRICT OF EASTERN TOWNSHIPS—							
June 6	Blanc Plomb	2124	W. Couverrette, Drummondville.	2 lbs.		Brandram Henderson, Ltd., Montreal.	
" 10	" "	2125	Jos. Dion, Lac Mégantic.	3 b'xs.	45	The Martin Senour Co., Ltd., Montreal.	
" 10	" "	2126	E. J. Planché & Co., Cook-shire.	3 "	30	A. Ramsay, & Son Co., Montreal.	
" 11	" "	2127	L. Moreau, St. Malo d'Auckland.	4 lbs.	36	Montreal Rolling Mills Co., Montreal.	
" 23	" "	2128	G. H. Robb, Knowlton.	3 b'xs.	35	Unknown	
DISTRICT OF MONTREAL—							
May 18	White Lead (ground in oil)	58371	Armstrong & Petit 647 Wellington St. Montreal.	3 tins	30	A. Ramsay & Son, Co., Montreal.	
" 18	" "	58372	G. A. Poirier, 599 Wellington St., Montreal.	3 "	45	" "	
" 19	" "	58373	Arthur Denis & Co., 431 Wellington St., Montreal.	3 "	30	Martin Senour Co., Toronto.	

WHITE LEAD (GROUND IN OIL).

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinions of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (Oil).	Solids (Pigment).	Lead soluble in acetic acid estimated as basic carbon- ate.	Residue Insol- uble in Acetic Acid.		
ALP. PELLETIER INSPECTOR.						
	p. c.	p. c.	p. c.	p. c.		
.....	7.0	93.0	20.22	79.48	53398	Contains barytes, without declaration.
N. CADIEUX AND O. BROCHU, TEMPORARY INSPECTORS.						
.....	8.5	91.5	53.60	42.80	2373	Contains barytes, without declaration.
.....	6.6	93.4	25.02	73.25	2539	" "
.....	8.1	91.9	26.50	73.38	2544	Contains barytes, without declaration.
.....	11.0	89.0	None	Barite = 79.18 % Zinc sul- phide = 19.82 %	2546	Contains no lead.
.....	6.9	93.1	98.25	0.60	2549	Genuine.
J. C. ROULEAU, INSPECTOR.						
.....	9.0	91.0	98.58	0.40	2124	Genuine.
.....	10.1	89.9	None	Barite = 89.04 % Zinc sul- phide = 9.92 %	2125	Contains no lead.
.....	11.4	88.6	48.83	47.24	2126	Contains barytes, without declaration.
.....	6.7	93.3	97.97	0.40	2127	Genuine.
London White Lead	7.6	92.4	54.37	45.16	2128	Contains barytes, without declaration.
D. J. KEARNEY, INSPECTOR.						
.....	6.5	93.5	54.76	42.40	58371	Contains barytes, without declaration.
.....	6.5	93.5	54.16	42.62	58372	" "
.....	10.7	89.3	None	Barite = 89.04 % Zinc sul- phide = 10.34 %	58373	Contains no lead.

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 MONTREAL—

1914.							
May 19	White Lead (ground in oil)	58374	M. A. Dubé & Co., Centre St. Montreal.	635 3 tins.	30	Martin Senour Co., Toronto.	
" 19	" "	58375	Beraier Hardware Co., St. Lawrence Blvd.	126 3 "	36	Brandram & Anderson, Montreal.	

DISTRICT OF VALLEYFIELD—

May 13	White Lead	62330	D. Courville, Alexandria, Ont.	3 tins.	45	Ottawa Paint Works.	
" 13	"	62331	E. J. Dever, Alexandria, Ont.	3 "	45	Ramsay Son Co.	
" 26	"	62332	N. Langlois, Valleyfield.	3 "	30	B. N. A. Colour Co.	
" 27	"	62333	Cote & Co., St. Johns, P.Q.	3 "	30		
" 30	"	62334	The Dion Hardware and Furniture Co., St. Lambert, P.Q.	3 "	30		

DISTRICT OF OTTAWA—

June 5	White Lead (ground in oil)	63446	Mulhall Hardware Co., Ottawa.	3 tins.	39	Canada Paint Co., Montreal.	Mfrs.
" 9	"	63447	W. Strachan, Queen and Bridge Sts., Ottawa.	3 "	30	A. Ramsay, Son & Co., Montreal.	"
" 10	"	63448	The Gray Harvey Co., Ltd., Rideau St., Ottawa.	3 "	45	Montreal Rolling Mills Co., Montreal.	"
" 12	"	63449	G. Beauchamp, Dalhousie St., Ottawa.	3 lb.	34	"	Gray Harvey Co., Ottawa.
" 12	"	63450	J. Gareau & Cie, 287 Dalhousie St., Ottawa.	2 "	18	Ottawa Paint Works, Ottawa.	Mfrs.

DISTRICT OF KINGSTON—

May 18	White Lead (ground in oil)	61521	J. B. Bunt & Co., Kingston.	3 lbs.	30	Lowe Bros., Toronto.	
" 18	"	61522	A. Chasem & Co., Kingston.	3 "	30	Canada Standard, Montreal.	
" 18	"	61523	H. A. Marshall, Kingston.	3 "	36	"	
" 18	"	61524	John Corbett, Kingston.	3 "	20	Canada Paint Co., Montreal.	
" 18	"	61525	W. A. Mitchell, Kingston.	3 "	30	"	

WHITE LEAD (GROUND IN OIL).

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (Oil).	Solids (Pigment).	Lead soluble in acetic acid estimated as basic carbon- ate.	Residue Insol- uble in Acetic Acid.		

Uncluded.

	p. c.	p. c.	p. c.	p. c.		
.....	5.5	94.5	6.24	92.96	.....	58374 Contains barytes, without declaration.
.....	7.5	92.5	56.92	40.10	.....	58375 Contains barytes.

J. J. COSTIGAN, ACTING INSPECTOR.

.....	5.6	94.4	59.63	29.62	Zinc oxide = 9.96%	62330 Contains barytes, without declaration.
.....	8.4	91.6	96.48	1.52	.....	62331 Genuine.
.....	7.4	92.6	20.01	79.54	.....	62332 Contains barytes, without declaration.
London White Lead.	6.6	93.4	49.92	49.50	.....	62333 " "
.....	9.8	90.2	None. ...	Barite = 86.32 %. Zinc sul- phide = 14.26 %.	.....	62331 Contains no lead.

J. A. RICKEY, INSPECTOR.

.....	7.7	92.3	22.54	76.44	.....	63446 Contains barytes, without declaration.
.....	6.3	93.7	44.32	54.00	.....	63447 " "
.....	5.8	94.2	63.53	34.12	.....	63448 " "
"Tiger" Brand.....	6.8	93.2	98.27	0.60	.....	63449 Genuine.
Decorators' Pure White Lead ground in linseed oil.	7.5	92.5	95.00	3.76	.....	63450 " "

JAS. HOGAN, INSPECTOR.

.....	7.5	92.5	97.95	0.58	.....	61521 Genuine.
.....	7.8	92.2	99.10	0.28	.....	61522 " "
.....	7.0	93.0	98.33	0.36	.....	61523 " "
.....	7.6	92.4	98.27	0.40	.....	61524 " "
.....	7.9	92.1	98.50	0.38	.....	61525 " "

BULLETIN, No. 300—

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 TORONTO—

1914.								
May	22	White Lead (ground in oil)	62195	Frost Good, 341 Pape Ave., Toronto.	3cans	30	Benjamin Moore & Co., Ltd., Toronto.	
"	23	"	62197	The T. Eaton Co., Ltd., Toronto.	3	30	"	
"	23	"	62198	The Robt. Simpson Co., Ltd., Toronto.	3	30		Brandram Henderson, Ltd., Toronto.
"	23	"	62199	J. W. Paton, 20 Temperance St., Toronto.	3	30	British North America Colour Co., Toronto.	
"	23	"	62200	Rice Lewis & Sons, Ltd., Victoria St., Toronto.	3	30		Martin, Senour & Co., Ltd.

DISTRICT OF HAMILTON—

June	5	White Lead, (ground in oil)	63282	M. Weichel & Son, Waterloo, Ont.	3 Cans	30	A. Ramsay Son & Co., Montreal.	Brandram Henderson, Toronto.
"	3	"	63284	The Brampton Hardware, Brampton, Ont.	"	30	British North America Colour Co.	" "
"	4	"	63285	Bond Hardware, Guelph	"	30	" "	
"	5	"	63286	H. Wolfhard & Co., Berlin.	"	45	The Sherwin Williams Co., Montreal.	
"	10	"	63287	Neston Mills Hardware Co., Ltd., 425 Barton St., East, Hamilton.	"	30	Dominion Colour Works, Toronto.	

DISTRICT OF WINDSOR—

May	26	White Lead	53678	E. & S Pollard, Petrolia	3 Tins	45	Pinchin Johnson & Co., Toronto.	
"	26	"	53680	Van Tuyl & Fairbanks, Petrolia.	3 "	38	Unknown	
June	5	"	63908	Myers Hardware Co., Stratford.	3 lbs.	36	Ramsay & Son Co., Montreal.	
"	5	"	63909	J. R. Myers & Sons, Strat-	"	36	Martin Senour Co., Montreal.	
"	9	"	63911	Kilpatrick Bros., London, Ont.	"	30	Brandram & Henderson, Montreal.	

WHITE LEAD (GROUND IN OIL).

Inspector's Report (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (Oil)	Solids (Pigment).	Lead soluble in acetic acid estimated as basic carbon- ate.	Residue Insol- uble to Acetic Acid.		

H. J. DAGER, INSPECTOR.

	p. c.	p. c.	p. c.	p. c.				
Egyptian White Lead.	8.0	91.4	13.30	Zinc sulphide = 61.02%	73.60	Zinc oxide = 9.90%	62195	Contains barytes, without declaration.
Diamond White Lead, guaranteed strictly pure.	6.7	93.3	98.73		9.32		62197	Genuine.
London White Lead.	7.1	92.9	43.25		55.80		62198	Contains barytes, without declaration.
.....	7.7	92.3	26.60		72.76		62199	Chiefly barytes, without declaration.
.....	7.9	92.1	40.72		57.94		62200	Contains barytes, without declaration.

H. J. DAGER, ACTING INSPECTOR.

.....	6.5	93.5	53.93		42.93		63282	Contains barytes, without declaration.
London White lead..	7.4	92.6	42.67		56.72		63284	" "
.....	7.5	92.5	27.97		70.84		63285	" "
Green Seal White Lead.	7.0	93.0	98.46		0.84		63286	Genuine.
Colonial White,....	7.5	92.5	21.64		75.56		63287	Contains barytes, Lead not claimed.

JNO. TALBOT, INSPECTOR.

Labelled "White Lead".	7.3	92.7	45.86		41.96	Zinc Oxide = 9.78%	53678	Contains barytes, without declaration.
Labelled American White, ground in pure Linseed Oil.	10.3	89.7	None....	Barite = 82.68 %. Zinc sul- phide = 13.20 %.			53680	Contains no Lead. Not sold as Lead.
.....	7.3	92.7	49.68		45.92		63908	Contains barytes, without declaration.
Labelled, White Lead, ground in pure Linseed Oil.	9.0	91.0	None....	Barite = 92.62 %. Zinc sul- phide = 7.03 %.			63909	Contains no Lead.
Labelled, White Lead, warranted ground in refined Linseed Oil.	8.6	91.4	56.33		40.40		63911	Contains barytes without declaration.

BULLETIN No. 300—

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 MANITOBA—

1914.							
May	20	White Lead (ground in oil)	61126 Linklater Bros., 910 Main St., Winnipeg.	3 Tins	45	G. F. Stephens & Co., Winnipeg.	Mrs.
"	20	"	61127 C. Tadman, 866 Main St., Winnipeg.	"	40	"	"
"	20	"	61158 Weir & Wilson, 666 Main St., Winnipeg.	"	45	British North America Colour Co.	"
"	21	"	61129 Bridgman Hardware Co., 619 Portage Ave., Winnipeg.	"	45	G. F. Stephens & Co., Winnipeg.	"
"	22	"	61130 Walter Johnson, 581 Sargent St., Winnipeg	"	90	Brandram & Henderson.	"

DISTRICT OF SASKATCHEWAN, EAST—

May	20	White Lead.	63742 Armstrong Smith & Downell, Regina.	3 Cans	45	Bedjamin Moore & Co., Ltd., Chicago, U.S.	"
"	20	"	63743 The Central Hardware, Regina.	"	50	British N. A. Colour Co.	"
"	20	"	63745 The Regina Trading Co., Regina.	"	50	G. F. Stephens & Co., Winnipeg.	"
"	26	"	63754 W. A. Caswell & Co., Ltd., Qu'Appelle.	"	45	"	"
"	30	"	63768 C. W. Shearwood & Co., Ltd., Regina.	"	60	British N. A. Colour Co.	"

DISTRICT OF SASKATCHEWAN WEST—

June	8	White Lead.	64002 C. Warden & Co., Rouleau, Sask.	1 lb.	20	British N. A. Colour Co.	"
"	9	"	64008 Weyburn Hardware & Fur. Co., Weyburn, Sask.	1 "	20	Sherwin Williams Co., Toronto.	"
"	9	"	64011 J. A. Hollingren, Estevan, Sask.	1 "	15	British N. A. Colour Co.	"
"	11	"	64030 Peart Bros. Hardware, Moosejaw, Sask.	1 "	15	Sherwin Williams Co., Toronto.	"
"	11	"	64031 Ross Hardware Co., Moosejaw, Sask.	1 "	25	Brandram Henderson Ltd., Toronto & Winnipeg.	Marshall Wells, Winnipeg.

DISTRICT OF ALBERTA—

June	17	White Lead (Ground in oil)	51981 Northern Hardware Co., Edmonton.	3 tins.	60	Sherwin Williams Co., Canada.	"
"	17	"	51982 Chown Hardware Co., Edmonton.	3 "	45	G. F. Stephens & Co., Winnipeg.	"

WHITE LEAD (GROUND IN OIL).

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (Oil).	Solids (Pigment).	Lead soluble in acetic acid estimated as basic ca. in- air.	Residue Insol- uble in Acetic Acid.		

A. C. LARIVIERE, INSPECTOR.

.....	p. c.	p. c.	p. c.	p. c.	.....	61126	Contains barytes, without declaration.
.....	5.5	94.5	49.65	49.52	.....	61127	" "
.....	5.9	94.1	49.66	49.42	.....	61128	" "
.....	8.2	91.8	20.06	80.00	.....	61129	" "
.....	5.2	94.8	49.13	49.82	.....	61130	" "
.....	8.6	91.4	75.60	22.50	.....	

JNO. SCOTT, INSPECTOR.

.....	p. c.	p. c.	p. c.	p. c.	.....	63742	Genuine.
.....	8.1	92.9	98.45	0.88	.....	63743	Contains barytes, without declaration.
.....	8.0	92.9	20.42	80.36	.....	63745	" "
.....	5.9	94.1	49.04	49.86	.....	63754	" "
.....	6.2	93.8	49.34	50.04	.....	63764	" "
.....	7.7	92.3	20.49	70.58	.....	

L. H. HALL, INSPECTOR.

.....	p. c.	p. c.	p. c.	p. c.	.....	64002	Contains barytes without declaration.
.....	7.7	92.3	27.24	72.32	.....	64003	Genuine.
.....	7.6	92.4	98.48	0.68	.....	64011	Contains barytes without declaration.
.....	8.2	91.8	20.25	79.24	.....	64030	" "
.....	8.7	91.3	20.22	48.36 lead 9.96% asbasic lead sulphate. 28.80	ZincOxide = 20.30%	64031	" "
.....	7.9	92.1	69.78		.....	

A. W. R. MARKLEY, INSPECTOR.

.....	p. c.	p. c.	p. c.	p. c.	.....	51981	Genuine.
.....	6.9	93.1	97.57	0.82	.....	51982	Contains barytes without declaration.
.....	6.8	93.2	38.00	49.20	ZincOxide = 12.12%		

BULLETIN No. 300—

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 ALBERTA—

1914							
June 17	White Lead (ground in oil)	51943	Cornell & Grigg, Edmonton.	3 tins.	45	Brit. Am. Paint Co., Van., B.C.	
" 18	"	51984	J. H. Ashdown Hardware Co., Ltd., Calgary.	3 "	45	Pinchin Johnson Co., Toronto.	
" 18	"	51985	Marshall Hardware Ltd., Calgary.	3 "	60	Canada Paint Co., Montreal.	

DISTRICT OF ROCKY MOUNTAINS—

June 9	White Lead	61622	F. E. Archer, Kaslo, B.C.	3 lb.	60	Sherwin Williams, Montreal	
" 9	"	61623	Byers Giegerich Co., Kaslo, B.C.	Green 3 "	45	G. F. Stephens & Co., Winnipeg.	
" 18	"	61633	Revelstoke Hardware Co., Revelstoke, B.C.	3 "	45	"	
July 10	"	61653	N. Wilmers, Trail, B.C.	3 "	45	The Sherwin Williams Co., Toronto.	
" 10	"	61654	"	1 "	45	W. J. Pendray & Sons, Vancouver, B.C.	

DISTRICT OF VANCOUVER—

June 1	White Lead	55028	Vancouver Hardware Co., 623 Granvill. st., Vancouver, B.C.	3 lbs.	45	The British Am. Paint Co., Victoria, B.C.	
" 1	"	55029	F. R. Begg & Co., Ltd., 167 Pender st. west, Vancouver, B.C.	3 "	45	A. Ramsay & Son Co., Montreal.	
" 1	"	55030	McLennan-McFeely & Co., Ltd., Vancouver, B.C.	3 "	35	The Martin Senour Co., Montreal.	
" 4	"	55031	H. T. Kirk, Columbia st., New Westminster, B.C.	3 "	60	Sherwin Williams, Montreal	
" 4	"	55032	R. C. Jameson & Co., Ltd., 1073 Hamilton st., Vancouver, B.C.	3 "	45	R. C. Jameson & Co., Ltd., Montreal.	

DISTRICT OF VICTORIA—

May 28	White Lead	61945	The Melrose Co., Ltd., Fort St., Victoria, B.C.	618 3 lbs.	45	A. Ramsay Son & Co., Montreal.	
" 28	"	61948	P. McQuade & Son, Wharf St., Victoria, B.C.	1214 3 tins.	1 05	The Standard Co., Victoria, B.C.	

WHITE LEAD (GROUND IN OIL).

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (Oil).	Solids (Pigment).	Lead soluble in acetic acid estimated as basic carbon- ate.	Residue Insol- uble in Acetic Acid.		

Concluded.

	p.c.	p.c.	p.c.	p.c.		
.....	8.9	91.1	98.00	0.66	.....	51983 Genuine.
.....	7.3	92.7	21.88	61.62 lead 10.61% as basic sulphate.	Zinc Oxide = 13.10%	51984 Contains barytes without declaration.
.....	5.7	94.3	98.19	0.40	.....	51985 Genuine.

THOS. PARKER, INSPECTOR.

.....	6.3	93.7	98.05	0.82	.....	61622 Genuine.
.....	5.7	94.3	49.49	49.16	.....	61623 Contains barytes without declaration.
.....	5.6	94.4	49.23	50.12	.....	61633 " "
Green seal	6.6	93.4	98.19	0.48	.....	61633 Genuine.
.....	9.6	90.4	63.82	35.66	.....	61654 Contains barytes without declaration.

E. J. MORGAN, INSPECTOR.

Labelled No. 1 White Lead.	5.8	91.2	63.51	34.90	.....	55028 Contains barytes without declaration.
Vendor stated after sale that sample was No. 2 (grade and was not pure white lead.	4.2	95.8	52.19	41.24	.....	55029 " "
Vendor stated pre- vious to purchase, that sample was not pure white lead.	10.1	89.6	None.	Barite 90.96% Zinc sulphide 8.51%	.....	55030 Contains no lead.
Guaranteed strictly pure.	6.9	93.1	97.78	0.42	.....	55031 Genuine.
Marked No. 1 white lead. Vendor stated previous to pur- chase that sample was not pure.	7.0	93.0	98.30	0.20	.....	55032 " "

D. O'SULLIVAN, INSPECTOR.

.....	8.9	91.1	49.60	47.50	.....	61945 Contains barytes, without declaration.
.....	7.7	92.3	99.08	0.42	.....	61948 Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cont.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cost.	Manufacturer.	Vendor.
DISTRICT OF VICTORIA—							
1914.							
May 24	White Lead (ground in oil)	61949	E. H. Marvin, 1202 Wharf St., Victoria, B.C.	3 tins.	35	W. J. Poudray & Sons, Victoria, B.C.	.....
" 28	"	61951	Victoria Hardware Co., 630 Johnston St., Victoria, B.C.	3 "	60	British American Paint Co., Victoria, B.C.	.....
June 6	White Lead in oil.	61961	Mellor Bros., Ltd., 819 Broughton St., Victoria, B.C.	3 lbs.	30	Wilkinson, Heyward & Clark, London.	.....

DISTRICTS OF EAST QUEBEC, WEST QUEBEC.

June 11	White Lead	2011	A. L. Pelletier, Rivières du Loup	3 lbs.	36	The Martin Senour Co.	.....
" 23	"	2121	Smith, Flannery & Jaume Sutton.	3 "	35	A. Ramsay & Son Co., Montreal.	.....
Aug. 5	"	2381	McInat & Son, Lachute	3 tins.	30	St. Lawrence Colour Works, 923 Inspector St., Montreal.	.....
May 16	"	60656	W. Bonin, St. Felix de Valois.	3 "	27	A. Ramsay & Son, 622 Inspector Street, Montreal.	.....
" 25	"	60660	S. Gauthier, Joliette	"	45	British North America Co., Montreal.	.....
June 9	"	2006	L. Union Agricol, St. Paschal	3 lbs.	45	The Sherwin-Williams Co.	.....
May 22	"	60668	Edmond Washum, Joliette	3 tins.	45	Ramsay & Son, Montreal.	.....
" 16	"	60657	J. A. Asselin, St. Felix de Valois.	3 "	30	A. Ramsay & Son, 622 Inspector Street, Montreal.	.....

WHITE LEAD (GROUND IN OIL.)

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.				No. of Sample	Remarks and Opinion of the Chief Analyst.
	Sample.		Pigment.			
	Vehicle (No.)	Vehicle (Pigment)	Lead soluble in acetic acid estimated as basic carbonate.	Residue Insol- uble in Acetic Acid.		

Concluded

	p. c.	p. c.	p. c.	p. c.		
.....	5 6	94 5	92 35	36 56	61919	Contains barytes, without declaration.
"Bayer" Pure White Lead.	6 0	94 0	96 70	0 60	61901	Genuine.
.....	7 4	92 6	90 16	0 14	61901	"

EASTERN TOWNSHIPS AND THREE RIVERS.

	p. c.	p. c.		p. c.			
.....	10 4	89 6	None	90 76	Barytes zinc sul- phide 8335	2014	Contains no lead
.....	6 3	90 7	52 7	45 54	.....	2121	Contains barytes, without declaration.
.....	5 9	91 1	51 55	46 02	.....	2281	" "
.....	6 2	93 8	53 61	43 04	.....	60956	" "
.....	7 7	92 3	21 0	74 32	.....	60960	" "
.....	6 6	93 4	18 0	0 40	.....	2006	Genuine.
.....	7 3	92 7	50 8	37 8	.....	60968	Contains barytes, without declaration.
.....	10 8	89 2	49 0	48 0	.....	60957	" "

