

RAW MATERIAL CHARACTERISTICS AND TESTING

X167

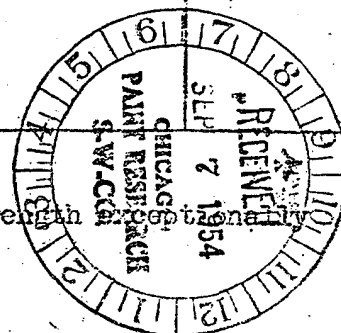
TRADE NAME White Lead DATE 9-1-54 NO. 6805
 CHEMICAL NAME Basic Lead Carbonate CARD NO. 1 PREVIOUS NO. 18
 COMPOSITION SUB-CLASS: 6805
 USAGE (NAME & NO.) MOST SIMILAR CLASSIFIED NO. 6801
 BULK 1.79 GALS./100 LBS. LBS./GAL. @ ° RELATED NOS.
 EXPAN. COEFF. 0.000 PER °F FLASH PT. °F (TOC) STORAGE LOSS TANKS DRUMS

ROUTINE TESTS (RUN ON EACH SHIPMENT)					SECONDARY TESTS (RUN DIFFERENT ONE EACH SHIPMENT)				
TEST	MIN.	STD.	MAX.	METHOD	TEST	MIN.	STD.	MAX.	METHOD
Color	Equal	to Std.		421.0	Tinting Str.	Equal	to Std.	422.2	
					Moisture, %			0.3	407.1
Oil Abs.	9		13	419.1	Residue				
					325 Mesh, %			0.1	410
Texture	Equal	to Std.		-	CO ₂ , %	10.2		11.0	706
					Metallic				
					Lead, %			0.02	*
					* ASTM D34-51T				

NAME OF SUPPLIER	SUPPLIERS CODE NO. OR NAME	SAMPLE REPORT
National Lead Co.	Dutchboy H.T.S. Whitehead	

GENERAL DESCRIPTION: (SHOW CHEMICAL ANALYSIS IF AVAILABLE)

When oil absorption is high and tinting strength strong, determine CO_2 .



STD. SAMPLE ISSUE DATE 2-2-48 DISTRIBUTED BY Cleve. T. S.
 PURCHASE SPEC'N. DATE 9-1-54 REFERENCE LAB. A PREP'D. BY JDS
 REPLACING SPEC'N. DATE 11-25-47 ASSIGNMENT REQUESTED BY JDB

0007-SWP-063017

RAW MATERIAL CHARACTERISTICS AND TESTING

18

Experimental No. White Lead, Carter Sample Report Date 8-30-43 No. 1
 Name (Trade) White Lead, Carter Card No. 1 Replaces Card No. 1

Name (Chemical) <u>Lead Carbonate</u>	SIMILAR MATERIALS	
Material (Class) <u>Pigment</u>	<u>1</u>	<u>1151</u>
Usage <u>Paste & Liquid paints Q.D. Colors</u>	<u>1140</u>	<u>2144</u>
Approximate Price _____ Date _____	<u>1812</u>	
Bulk <u>1.77</u> Gal. / 100 lbs. Wt. / Gal. <u>56.56</u> @ _____ °F.	<u>BW 102</u>	<u>Pulp</u>

ROUTINE TESTS (Must be Run on Each Shipment)					SECONDARY TESTS (Run Different One Each Shipment)				
TEST	Min.	Stan.	Max.	Method	TEST	Min.	Stan.	Max.	Method
Color				421.2 or 421.1	Lead Carbonate-65%			75%	706
				422.2	Moisture			1.0%	407.1
Strength					Res. 325 M			1.0%	410
Texture				---	Oil Abs.	10		12	
					Total Lead 80-90%				419.2

0007-SWP-063018

SUPPLIER'S NAME	SUPPLIER'S CODE No.
Carter White	Eagle
Quick Process White Lead #18	National
S.W.Chicago	Carter
	Anaconda
Specification: Issued on 3-5-41	
Standard Sample Established 6-17-29	
Assignment Requested by	
REMARKS: Carbonate Hydrate ratio shall conform to A.S.T.M. specification D 81 38 Lead Carbonate $PbCO_3$ 65.0 - 75.0% Moisture & Impurities 1.7% Bal. Lead Hydroxide $Pb(OH)_2$	

X147 9.43 2586

0007-SWP-063010

RAW MATERIAL CHARACTERISTICS AND TESTING

Exp'tal No. _____ Sample Report _____ Card No. 2 Date 9-17-43 13
 Name (Trade) Basic Carbonate White Lead Replaces Card No. 1
 Name (Chemical) _____
 Material (Class) White Pigment
 Usage Exterior Paints Storage Loss _____
 Approximate Price _____ Date _____ % in Tanks _____
 Bulk 1.79 Gal./100 lbs.; Lb./Gal 53.81 @ _____ *F. _____ % in Drums _____

SIMILAR MATERIALS

9 Basic Sulfate
2144 H1-Viscosity

ROUTINE TESTS (Must be Run on Each Shipment)

TEST	Min.	Stan.	Max.	Method
Color	Equal	or brighter	421.2	
Tinting				
Strength	Equal	or stronger	421.1	
Oil Absorption*	9		12	419.1

*When over specification check
 std. and tolerate + 10% variation.

SECONDARY TESTS (Run Different One Each Shipment)

TEST	Min.	Stan.	Max.	Method
Residue 325 M.	1		0.1	410
Carbon Dioxide	10.2		11.0	706
Acetic Acid				
Insoluble	1		1.0	
Metallic Lead	1		0.1	
Moisture	1		0.3	407.1

SUPPLIER'S NAME	SUPPLIER'S CODE No.
National lead Co.	H. T. S. White Lead

Specification: Issued on 9-17-47 revised From 3-5-41 by V. L. Sahli

Standard Sample Established

Assignment Requested by

REMARKS:

X167 10-45 S 1758

0007-SWP-063021

RAW MATERIAL CHARACTERISTICS AND TESTING

Expt'l No. _____	Sample Report _____	Card No. <u>3</u>	Date <u>2/2/48</u> No. <u>18</u>
Name (Trade) <u>White Lead</u>		H.T.S. Type _____	
Name (Chemical) <u>Basic Lead Carbonate</u>		Replaces Card No. _____	
Material (Class) <u>White Pigment</u>		SIMILAR MATERIALS _____	
Usage <u>Exterior Oil Paints</u>	Storage Loss _____	<u>9 Basic Sulfate</u>	
Approximate Price _____	Date _____	% in Tanks _____	
Bulk <u>1.77</u> Gal./100 lbs.: Lb./Gal <u>56.6</u> @ _____ °F.		% in Drums _____	

ROUTINE TESTS (Must be Run on Each Shipment)					SECONDARY TESTS (Run Different One Each Shipment)				
TEST	Min.	Stan.	Max.	Method	TEST	Min.	Stan.	Max.	Method
Color	95%	STD-Min		421.0	Ammonium				
					Acetate insol.	1		1.0	
					Moisture			0.3	407.1
Tinting Strength	equal		or stronger		Residue on 325M	1		0.1	410
				422.2	Carbon Dioxide	10.2		11.0	706
Oil Absorption									
% of Std. *	80	1	120	419.1	Metallic Lead	1		0.02	
* See Remarks									

0007-SWP-063022

SUPPLIER'S NAME	SUPPLIER'S CODE No.
National Lead Co.	Dutchboy H.T.S. White Lead

Specification: Issued on 11-25-47 by V. L. Sahli

Standard Sample Established 2/2/48

Assignment Requested by

REMARKS: (1) When oil absorption runs high and tinting strength excessively strong, determine the CO₂ content. (2) The oil absorption of std will be 10.5 - 11.0 using an oil having an acid value of 3.0. The allowable variation in shipments than becomes 9-13

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