

PIGMENT,
COLOR &
CHEMICAL
DEPARTMENT

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

12% CO-FUMED
LEADED ZINC OXIDE
OZLO 12

For
General Application

Serial No. 82

Issued November 1, 1968

Miscellaneous Properties

		<u>Method</u>
Appearance	White Powder	40a
Oil Absorption	10-13	40b
Color Compared to Standard	7 ⁴	40c
Screen Analysis Residue 325 Tyler	0.2%	40d
Bulking Value	2.12 gals./100 lbs.	40 e

Chemical Analysis

Zinc Oxide, ZnO, Min.	86.0%	40A
Lead Sulfate, PbSO ₄	7.0 - 14.0%	40B
Zinc Sulfate, Max.	0.3%	40C

S48-1-2-63

SHERWIN-WILLIAMS

PIGMENT,

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

12% CO-FUMED
LEADED ZINC OXIDE
OZLO 12

For
General Application

Issued November 1, 1968

Miscellaneous Properties

Appearance	White Powder
Oil Absorption	12
Color Compared to Standard	80
Screen Analysis Residue 325 Tyler	0.1%
Bulking Value	2.12 gals./100 lbs.

Chemical Analysis

Zinc Oxide, ZnO	89.7 %
Lead Sulfate, PbSO ₄	9.6 %
Zinc Sulfate, ZnSO ₄	0.25%

T-1-2-63

0007-PMC-000000686

SHERWIN-WILLIAMS

PIGMENT,

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

CO-FUMED
LEADED ZINC OXIDE
OZLO 18M

For
General Application

Serial No. 49

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

		<u>Method</u>
Appearance	White Powder	40a
Oil Absorption	10 - 12	40b
Color Compared to Standard, Min.	75	40c
325 Mesh Residue (Tyler) Max.	0.2%	40d
Bulking Value	2.10 gals./100 lbs.	40e

Chemical Analysis

		<u>Method</u>
Zinc Oxide	80.0 - 82.0%	40A
Monobasic Lead Sulfate	16.5 - 19.5%	40B
Available Lead as PbO	6.0 - 8.0%	40C

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

CO-FUMED
LEADED ZINC OXIDE
OZLO 18M

For
General Application

Issued November 1, 1968

Miscellaneous Properties

Appearance	White Powder
Oil Absorption	10.5
Color Compared to Standard	78
Bulking Value	2.10 gals./100 lbs.
Screen Analysis Residue 325 Mesh, Tyler	0.1%

Chemical Analysis

Zinc Oxide	81.7%
Monobasic Lead Sulfate	18.0%
Available Lead as PbO	7.0%

T-1-2-63

0007-PMC-000000688

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

35%
LEADED ZINC OXIDE
Ozlo 35
For
General Application

Issued June 1, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White Powder
Oil Absorption	12.5
Color Compared to Standard	85
Screen Analysis Residue 325 Tyler	0.1%
Bulking Value	2.06 gals./100 lbs.

Chemical Analysis

Zinc Oxide	65.0%
Basic Sulfate White Lead	35.0%

Packaging

Bags, 50 lbs. net

0007-PMC-000000689

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

50%
LEADED ZINC OXIDE
OZLO 50
For
General Application

Issued June 1, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White Powder
Oil Absorption	12.5
Color Compared to Standard	85
Screen Analysis Residue 325 Mesh, Tyler	0.1%
Bulking Value	2.02 gals./100 lbs.

Chemical Analysis

Zinc Oxide	50.0%
Basic Sulfate White Lead	50.0%

Packaging

Bags, 50 lbs. net

0007-PMC-000000690

SHERWIN-WILLIAMS

**PIGMENT,
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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

55%
LEADED ZINC OXIDE
OZLO 55
For
General Application

Issued November 1, 1968

Miscellaneous Properties

Appearance	White Powder
Oil Absorption	12.5
Color Compared to Standard	82
Screen Analysis Residue 325 Tyler	0.1%
Bulking Value	2.00 gals./100 lbs.

Chemical Analysis

Zinc Oxide	45.0%
Basic Sulfate White Lead	55.0%

Packaging

Bags, 50 lbs. net

T-6-1-63

0007-PMC-000000691

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

Zinc Oxide
ZnO
NUZIDE 78S
For
Agricultural Sprays

Serial No. 85

Issued November 1, 1968

Miscellaneous Properties

Method

Appearance	White Powder, Grayish Cast	50h
Apparent Packed Bulk Density	Approx. 70 lbs./cu.ft.	50j
Screen Analysis (Residue 325 Mesh)	0.3% Max.	50f

Chemical Analysis

Zinc Oxide, ZnO, Min.	98.0%	50A
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S43-1-2-63
(S74-3-1-66)

PIGMENT.

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Zinc Oxide
ZnO
NUZIDE 78S
For
Agricultural Sprays

Issued March 1, 1966

Miscellaneous Properties

Appearance

Apparent Packed Bulk Density

Screen Analysis (Residue 325 Mesh)

White Powder, Grayish Cast
Approximately 70 lbs./cu.ft.
0.3% Max.

Chemical Analysis

Zinc Oxide, ZnO

98.8 %

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

ZINC SULFATE
 $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
Grade 360
For
General Application

Serial No. 45

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density

White Granules
Approx. 90 lbs./cu.ft.

Method

60i
60j

Chemical Analysis

Zinc as Zn, Min.
Lead as Pb, Max.
Copper as Cu, Max.
Manganese as Mn, Max.
Cadmium as Cd, Max.
Iron as Fe, Max.
Nickel as Ni, Max.
Acid Insoluble, Max.

36.0 %
0.004%
0.001%
0.002%
0.003%
0.002%
0.001%
0.1 %

Method

60A
60B
60C
60D
60E
60F
60N
60Q

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

ZINC SULFATE
 $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
Grade 360
For
General Application

Issued March 1, 1965

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density

White Granules
Approximately 90 lbs./cu.ft.

Chemical Analysis

Zinc as Zn	36.0 %
Lead as Pb	0.002 %
Copper as Cu	0.0005 %
Manganese as Mn	0.001 %
Cadmium as Cd	0.001 %
Iron as Fe	0.001 %
Nickel as Ni	0.0005 %
Acid Insoluble	0.08 %
Sodium as Na	Trace %
Magnesium as Mg	0.003 %
Aluminum as Al	0.005 %
Arsenic as As	0.00004 %
Antimony as Sb	0.0001 %
Tin as Sn	Trace, if any
Bismuth as Bi	Trace, if any
Chlorine as Cl	0.015 %
Silica as SiO_2	0.015 %
Chromium as Cr	Trace, if any
Indium as In	Trace, if any

0007-PMC-000000695

SHERWIN-WILLIAMS**PIGMENT****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISZINC SULFATE
 $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
Grade 361-S
For
General Application

Serial No. 46

Issued January 2, 1963
Reprinted August 1, 1964Miscellaneous PropertiesMethodAppearance
Apparent Packed Bulk DensityWhite Crystalline Powder
Approx. 65 lbs./cu.ft.60i
60jChemical AnalysisMethodZinc as Zn, Min.
Lead as Pb, Max.
Copper as Cu, Max.
Manganese as Mn, Max.
Cadmium as Cd, Max.
Iron as Fe, Max.
Nickel as Ni, Max.36.0 %
0.004%
0.001%
0.002%
0.003%
0.002%
0.001%60A
60B
60C
60D
60E
60F
60N

SHERWIN-WILLIAMS

PIGMENT,
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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

ZINC SULFATE
 $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
Grade 361-S
For
General Application

Issued March 1, 1965

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density

White Powder
Approximately 65 lbs./cu.ft.

Chemical Analysis

Zinc as Zn	36.3 %
Lead as Pb	0.002 %
Copper as Cu	0.0005%
Manganese as Mn	0.001 %
Cadmium as Cd	0.001 %
Iron as Fe	0.001 %
Nickel as Ni	0.0005%
Chlorine as Cl	0.015 %

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

ZINC SULFATE
 $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$
Grade 360-F
For
General Application

Issued September 15, 1964

Miscellaneous Properties

Appearance

White, granular

Apparent Packed Bulk Density

104 lbs./cu.ft.

Mesh (Tyler)

%

-20

100

Chemical Analysis

Zn

36.0%

0007-PMC-000000698

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

ZINC SULFATE
GRADE 360-G
Agriculture

Issued July 1, 1965

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density

White, granular
About 85 lbs./cu.ft.

Screen Analysis

Mesh (Tyler)	%
+ 6	1
+ 8	45
+ 10	75
+ 14	90
+ 20	97
- 20	3

Chemical Analysis

Zn 36%

SHERWIN-WILLIAMS**PIGMENT,****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE

BaCO₃

Grade 75C

For

General Application

Serial No. 30

Issued January 2, 1963

Reprinted August 1, 1964

Miscellaneous PropertiesMethod

Appearance	White	20a
Apparent Packed Bulk Density	Approx. 70 lbs./cu.ft.	20c
Specific Gravity	4.29	20g

Chemical AnalysisMethod

Total Ba + Sr as BaCO ₃ , Min.	99.0 %	20A
Total Sulfur as S, Max.	0.10 %	20B
Sulfate Sulfur as S, Max.	0.07 %	20C
Sulfide-Sulfite Sulfur as S, Max.	0.06 %	20D
Iron as Fe, Max.	0.0014%	20E

0007-PMC-000000700

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 75C
For
General Application

Issued November 1, 1968

Miscellaneous Properties

Appearance	White
Apparent Packed Bulk Density	Approx. 60 lbs./cu.ft.
Screen Analysis (through 150 mesh Tyler)	99%

Chemical Analysis

Total Ba + Sr as BaCO_3	99.3 %
Total Sulfur as S	0.06 %
Sulfate Sulfur as S	0.04 %
Sulfide-Sulfite Sulfur as S	0.04 %
Fe	0.0008%
SrCO_3	0.90 %
CaCO_3	0.16 %
Na_2O	Trace
Al_2O_3	0.09 %
Cl	0.008 %
Acid Insoluble ($\text{BaSO}_4 + \text{SiO}_2$)	0.30 %

T-1-2-63

0007-PMC-000000701

SHERWIN-WILLIAMS

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SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 50F
For
Ceramics

Serial No. 31

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density
Screen Analysis (through 150 mesh
Tyler) Min.
Specific Gravity

White
Approx. 50 lbs./cu.ft.
99%
4.29

Method

20a
20d
20e
20g

Chemical Analysis

Total Ba + Sr as BaCO_3 , Min.

98.5%

Method

20A

SHERWIN-WILLIAMS

**PIGMENT,
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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 50F
For
General Application

Issued November 1, 1968

Miscellaneous Properties

Appearance

Apparent Packed Bulk Density

Screen Analysis through 150 mesh
Tyler

White

Approximately 50 lbs./cu.ft.

99%

Chemical Analysis

Total Ba + Sr as BaCO_3

Total Sulfur as S

Fe_2O_3

99.1 %

0.08 %

0.001%

T-1-2-63

0007-PMC-000000703

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 70F
For
Ceramics

Serial No. 32

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density
Screen Analysis (through 150 mesh
Tyler) Min.
Specific Gravity

White
Approx. 70 lbs./cu.ft.
99%
4.29

Method

20a
20d
20e
20g

Chemical Analysis

Total Ba + Sr as BaCO_3 , Min.

98.5%

Method

20A

SHERWIN-WILLIAMS

PIGMENT,

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 70F
For
Ceramics

Issued November 1, 1968

Miscellaneous Properties

Appearance

White

Apparent Packed Bulk Density

Approx. 70 lbs./cu.ft.

Screen Analysis Through 150 Mesh,
Tyler

99%

Chemical Analysis

Total Ba + Sr as BaCO_3

99.1 %

Total Sulfur as S

0.08 %

Fe_2O_3

0.001%

T-1-2-63

0007-PMC-000000705

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 90F
For
Ceramics

Serial No. 33

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density
Screen Analysis (through 150 Mesh
Tyler) Min.
Specific Gravity

White
Approx. 90 lbs./cu.ft.
99%
4.29

Method

20a
20d
20e
20g

Chemical Analysis

Total Ba + Sr as BaCO_3 , Min.

98.5%

Method

20A

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 90F
For
Ceramics

Issued November 1, 1968

Miscellaneous Properties

Appearance

Apparent Packed Bulk Density
Screen Analysis Through 150
Mesh, Tyler

White

Approx. 90 lbs./cu.ft.

99%

Chemical Analysis

Total Ba + Sr as BaCO_3

Total Sulfur as S

Fe_2O_3

99.1 %

0.08 %

0.001%

T-1-2-63

0007-PMC-000000707

SHERWIN-WILLIAMS**PIGMENT,****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISBARIUM CARBONATE
 BaCO_3
Grade 135G
For
Glass Manufacture

Serial No. 34

Issued January 2, 1963
Reprinted August 1, 1964Miscellaneous PropertiesMethodAppearance
Apparent Packed Bulk Density
Screen Analysis (through 150
Mesh, Tyler) Max.
Specific GravityWhite
Approx. 135 lbs./cu.ft.
25%
4.2920a
20d
20e
20gChemical AnalysisMethodTotal Ba + Sr as BaCO_3 , Min.
Total Sulfur as S, Max.
Sulfate Sulfur as S, Max.
Sulfide-Sulfite Sulfur as S, Max.
Fe, Max.
Acid Insoluble, Max.98.5 %
0.10 %
0.10 %
0.01 %
0.0014%
0.70 %20A
20B
20C
20D
20E
20L

0007-PMC-000000708

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 135G
For
Glass Manufacture

Issued July 1, 1965

Miscellaneous Properties

Appearance

Apparent Packed Bulk Density

Screen Analysis Cumulative,

Tyler

+ 20

+ 28

+ 48

+100

+150

-150

White

Approx. 135 lbs./cu.ft.

0%

17%

55%

75%

80%

20%

Chemical Analysis

Total Ba + Sr as BaCO_3

Total Sulfur as S

Sulfate Sulfur as S

Sulfide-Sulfite Sulfur as S

Fe

SrCO_3

CaCO_3

Na_2O

Al_2O_3

Cl

Acid Insoluble

98.8 %

0.07 %

0.07 %

0.002 %

0.0008 %

0.90 %

0.16 %

Trace %

0.09 %

0.008 %

0.50 %

0007-PMC-000000709

SHERWIN-WILLIAMS**PIGMENT****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISBARIUM CARBONATE
 BaCO_3
Grade 145G
For
Glass Manufacture

Serial No. 81

Issued November 1, 1968

Miscellaneous PropertiesMethod

Appearance	White	20a
Apparent Packed Bulk Density	Approx. 140 lbs./cu.ft.	20d
Screen Analysis (through 150 Mesh Tyler) Max.	25%	20e
Specific Gravity	4.29	20g

Chemical Analysis

Total Ba + Sr as BaCO_3 , Min.	98.5 %	20A
Total Sulfur as S, Max.	0.10 %	20B
Sulfate Sulfur as S, Max.	0.10 %	20C
Sulfide-Sulfite Sulfur as S, Max.	0.08 %	20D
Fe, Max.	0.001%	20E
Acid Insoluble, Max.	0.700%	20L

S36-1-2-63

0007-PMC-000000710

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE
 BaCO_3
Grade 145G
For
Glass Manufacture

Issued November 1, 1968

Miscellaneous Properties

Appearance

White

Apparent Packed Bulk Density

Approx. 140 lbs./cu.ft.

Screen Analysis, Cumulative, Tyler

+	14	5%
+	20	10%
+	28	35%
+	48	60%
+	100	75%
+	150	80%
-	150	20%

Chemical Analysis

Total Ba + Sr as BaCO_3	98.6	%
Total Sulfur as S	0.07	%
Sulfate Sulfur as S	0.07	%
Sulfide-Sulfite Sulfur as S	0.05	%
Fe	0.0008	%
SrCO_3	0.90	%
CaCO_3	0.16	%
Na_2O	Trace	
Al_2O_3	0.13	%
Cl	0.008	%
Acid Insoluble	0.50	%

T-8-1-64

0007-PMC-000000711

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE

BaCO₃

Grade 45T

Special Fine Grade For
General Use

Serial No. 80

Issued November 1, 1968

Miscellaneous Properties

		<u>Method</u>
Appearance	White	20a
Particle Size	Fisher No. 1.60, Max.	20c
Apparent Packed Bulk Density	Approx. 50 lbs./cu.ft.	20d
Specific Gravity	4.29	20g

Chemical Analysis

BaCO ₃ , Min.	99.2 %	20A
Total Sulfur as S, Max.	0.10 %	20B
Sulfate Sulfur as S, Max.	0.07 %	20C
Sulfide-Sulfite Sulfur as S, Max.	0.07 %	20D
Iron as Fe, Max.	0.001%	20E

S35-1-2-63

0007-PMC-000000712

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM CARBONATE

BaCO₃

Grade 45T

Special Fine Grade

For General Use

Issued November 1, 1968

Miscellaneous Properties

Appearance

Particle Size

Apparent Bulk Density

White

Fisher No. 1.15 - 1.60

Approx. 50 lbs./cu.ft.

Chemical Analysis

BaCO₃

Total Sulfur as S

Sulfate Sulfur as S

Sulfide-Sulfite Sulfur as S

Iron as Fe

99.4 %

0.08 %

0.06 %

0.06 %

0.0008%

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0007-PMC-000000713

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM MONOHYDRATE
 $\text{Ba}(\text{OH})_2 \cdot \text{H}_2\text{O}$
For
General Application

Serial No. 87

Issued January 1, 1969

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density

White Dry Flakes
Approx. 80 lbs./cu.ft.

Method

10a
10b

Chemical Analysis

BaO Range
Acid Insoluble as BaSO_4
 BaCO_3 , Max.
Cl, Max.
S, Max.
Fe, Max.

78.5 - 80.5%
0.12%
0.8 %
0.02%
0.02%
0.002%

10A
10B
10C
10D
10E
10F

S77-1-1-69

0007-PMC-000000714

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM MONOHYDRATE
 $\text{Ba}(\text{OH})_2 \cdot \text{H}_2\text{O}$
For
General Application

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance
Apparent Packed Bulk Density

White Dry Flakes
Approximately 80 lbs./cu.ft.

Chemical Analysis

Total Barium (weak acid soluble)	71.7 %
as BaO	80.0 %
$\text{Ba}(\text{OH})_2 \cdot \text{H}_2\text{O}$	98.2 %
as BaO	79.5 %
BaSO_4	0.08 %
BaCO_3	0.7 %
Cl	0.005%
S as Sulfide	0.001%
as BaS	0.009%
Fe	0.002%

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

BARIUM SULFIDE
(Black Ash)
BaS

Serial No. 86

Issued November 1, 1968

Miscellaneous Properties

Appearance

Black

Screen Analysis (Minus 16
Mesh Tyler)

100%

Chemical Analysis

Barium Sulfide, BaS, Min.

85.0%

SHERWIN-WILLIAMS

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AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade 10N
Non-Reactive
Low Consistency

Serial No. 78

Issued March 1, 1968

Miscellaneous Properties

		<u>Method</u>
Appearance	White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption, Min.	10	30c
Water Soluble Matter, Max.	0.2 %	30d
Moisture and Other Volatile Matter, Max.	0.1 %	30e

Chemical Analysis

Zinc Sulfide, ZnS, Min.	28.0 %	30A
Zinc Oxide, ZnO, Max.	0.10%	30B
Barium Sulfate, Min.	95.0 % of Remainder	30C

0007-PMC-000000717

SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade 10N
Non-Reactive
Low Consistency

Issued March 1, 1968

Miscellaneous Properties

Appearance	White
Total Residue, 325 Mesh	0.10%
Oil Absorption	12
Water Soluble Matter	0.10%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.09%

Chemical Analysis

Zinc Sulfide, ZnS	28.5 %
Zinc Oxide, ZnO	0.06%
Barium Sulfate, Min.	95.0 % of Remainder

0007-PMC-000000718

SHERWIN-WILLIAMS**PIGMENT,****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISPERMOLITH
LITHOPONE
Grade 20L
For
General Accounts

Serial No. 53

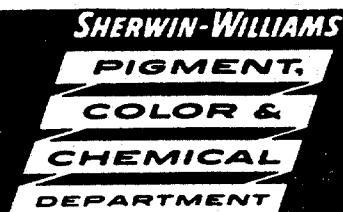
Issued January 2, 1963
Reprinted August 1, 1964Miscellaneous PropertiesMethod

Appearance	White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption, Min.	12	30c
Water Soluble Matter, Max.	0.2 %	30d
Moisture and other Volatile Matter, Max.	0.1 %	30e

Chemical AnalysisMethod

Zinc Sulfide, ZnS, Min.	28.0%	30A
Zinc Oxide, ZnO, Max.	0.4%	30B
Barium Sulfate, Min.	95.0% of Remainder	30C

0007-PMC-000000719



TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade 20L
Low Oil Absorption

Issued January 2, 1963

Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White
Total Residue, 325 Mesh	0.10%
Oil Absorption	13
Water Soluble Matter	0.10%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.09%

Chemical Analysis

Zinc Sulfide, ZnS	28.5%
Zinc Oxide, ZnO	0.2%
Barium Sulfate, Min.	95.0% of Remainder

SHERWIN-WILLIAMS**PIGMENT,****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISPERMOLITH
LITHOPONE
Grade 40M
For
General Accounts

Serial No. 54

Issued January 2, 1963
Reprinted August 1, 1964Miscellaneous PropertiesMethod

Appearance	Fine White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption, Min.	14	30c
Water Soluble Matter, Max.	0.2 %	30d
Moisture and Other Volatile Matter, Max.	0.1 %	30e

Chemical AnalysisMethod

Zinc Sulfide, ZnS, Min.	28.0%	30A
Zinc Oxide, ZnO, Max.	0.4%	30B
Barium Sulfate, Min.	95.0% of Remainder	30C

SHERWIN-WILLIAMS

**PIGMENT,
COLOR &
CHEMICAL
DEPARTMENT**

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade 40M
Medium Oil Absorption

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White
Total Residue, 325 Mesh	0.10%
Oil Absorption	15
Water Soluble Matter	0.10%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.09%

Chemical Analysis

Zinc Sulfide, ZnS	28.5%
Zinc Oxide, ZnO	0.2%
Barium Sulfate, Min.	95.0% of Remainder

SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade 60H
For
General Accounts

Serial No. 52

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Method

Appearance	White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption, Min.	15	30c
Water Soluble Matter, Max.	0.2 %	30d
Moisture and Other Volatile Matter, Max.	0.1 %	30e

Chemical Analysis

Method

Zinc Sulfide, ZnS, Min.	28.0%	30A
Zinc Oxide, ZnO, Max.	0.4%	30B
Barium Sulfate, Min.	95.0%	30C

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SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade 60H
High Oil Absorption

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White Powder
Total Residue, 325 Mesh	0.10%
Oil Absorption	16
Water Soluble Matter	0.10%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.09%

Chemical Analysis

Zinc Sulfide, ZnS	28.5%
Zinc Oxide, ZnO	0.2%
Barium Sulfate, Min.	95.0% of Remainder

SHERWIN-WILLIAMS**PIGMENT****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISPERMOLITH
LITHOPONE
Grade W-320
Water Wetting

Serial No. 55

Issued January 2, 1963
Reprinted August 1, 1964Miscellaneous PropertiesMethod

Appearance	White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption, Min.	16	30c
Water Soluble Matter, Max.	0.2 %	30d
Moisture and Other Volatile Matter, Max.	0.1 %	30e

Chemical AnalysisMethod

Zinc Sulfide, ZnS, Min.	28.0%	30A
Zinc Oxide, ZnO, Max.	0.4%	30B
Barium Sulfate, Min.	95.0% of Remainder	30C

SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade W-320
Water Wetting

Issued November 1, 1968

Miscellaneous Properties

Appearance	White Powder
Total Residue, 325 Mesh	0.10%
Water Soluble Matter	0.18%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.04%
Oil Absorption	16

Chemical Analysis

Zinc Sulfide, ZnS	28.5%
Zinc Oxide, ZnO	0.2%
Barium Sulfate, Min.	95.0% of Remainder

T-1-2-63

0007-PMC-000000726

SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

PERMOLITH
LITHOPONE
Grade W-421
Water Dispersible

Serial No. 57

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

		<u>Method</u>
Appearance	White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption	15	30c
Moisture and Other Volatile Matter, Max.	0.1 %	30e

Chemical Analysis

		<u>Method</u>
Zinc Sulfide, ZnS, Min.	28.0%	30A
Zinc Oxide, ZnO, Max.	0.4%	30B
Barium Sulfate, Min.	95.0% of Remainder	30C

0007-PMC-000000727

SHERWIN-WILLIAMS

PIGMENT.

COLOR &

CHEMICAL

DEPARTMENT

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

**PERMOLITH
LITHOPONE
Grade W-421
Water Dispersible**

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White
Total Residue, 325 Mesh, Max.	0.10%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.09%

Chemical Analysis

Zinc Sulfide, ZnS	28.5%
Zinc Oxide, ZnO	0.2%
Barium Sulfate, Min.	95.0% of Remainder

0007-PMC-000000728

SHERWIN-WILLIAMS**PIGMENT****COLOR &****CHEMICAL****DEPARTMENT**

SPECIFICATION

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOISPERMOLITH
LITHOPONE
Grade 60N
Non-Reactive

Serial No. 56

Issued January 2, 1963
Reprinted August 1, 1964**Miscellaneous Properties**

		<u>Method</u>
Appearance	White Powder	30a
Total Residue, 325 Mesh, Max.	0.15%	30b
Oil Absorption, Min.	12	30c
Water Soluble Matter, Max.	0.2 %	30d
Moisture and Other Volatile Matter, Max.	0.1 %	30e

Chemical Analysis

		<u>Method</u>
Zinc Sulfide, ZnS, Min.	28.0 %	30A
Zinc Oxide, ZnO, Max.	0.10%	30B
Barium Sulfate, Min.	95.0 % of Remainder	30C

0007-PMC-000000729

SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

**PERMOLITH
LITHOPONE**
Grade 60N
Non-Reactive

Issued January 2, 1963
Reprinted August 1, 1964

Miscellaneous Properties

Appearance	White
Total Residue, 325 Mesh	0.10%
Oil Absorption	12
Water Soluble Matter	0.10%
Bulking Value	2.79 gals./100 lbs.
Moisture and Other Volatile Matter	0.09%

Chemical Analysis

Zinc Sulfide, ZnS	28.5 %
Zinc Oxide, ZnO	0.06%
Barium Sulfate, Min.	95.0 % of Remainder

0007-PMC-000000730

SHERWIN-WILLIAMS

PIGMENT,

COLOR &

CHEMICAL

DEPARTMENT

TYPICAL PROPERTIES

AUXILIARIES DEPARTMENT
CHICAGO 28, ILLINOIS

**PERMOLITH
LITHOPONE
Grade 60J
Hydrophobic**

Issued August 1, 1964

Miscellaneous Properties

Appearance	White Powder
Total Residue, 325 Mesh, Max.	0.01%
Bulking Value	2.79 gals./100 lbs.
Moisture	0.03%

Chemical Analysis

Zinc Sulfide, ZnS	28.5%
Zinc Oxide	0.2%
Barium Sulfate, Min.	95.0% of Remainder

0007-PMC-000000731