FINANCIAL STATEMENTS SECTION

PIGMENTS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				[illegible]*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		[illegible]*					8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	[illegible]	[illegible]*	[illegible]				10
11	Total Pigments					11			(Cum.)	[illegible] (*)	[illegible]	[illegible]	131.2	[illegible]	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88	[illegible]	[illegible]*	[illegible]				13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00	[illegible]	[illegible]*	[illegible]				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				*					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82	[illegible]	[illegible]					30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70		[illegible]	[illegible]				31
32	Sample Total					32				[illegible]	[illegible]				32
33	Product Total					33				*					33
34	Total Metallics					34			(Cum.)	(*)			45.6		34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)				102.0		36
37						37									37
38	(1) Price relative computed on page 2.					38									38

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PIGMENTS --- COLORS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	LINE
INORGANIC					1									1
Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00		[illegible]					2
Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50	111.11	[illegible]	1325				3
Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00		[illegible]					4
Sample Total (S and T)					5				[illegible]	[illegible]	[illegible]			5
Section Total (S and T)					6				[illegible]*	[illegible]				6
ORGANIC					7									7
"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00	95.21	[illegible]	[illegible]				8
C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		[illegible]					9
C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	[illegible]	[illegible]	[illegible]				10
Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		[illegible]					11
PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		[illegible]					12
Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 429 D	"	"	" "	13		1.90		[illegible]					13
Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		[illegible]					14
Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		[illegible]					15
Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		[illegible]					16
Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		[illegible]					17
Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		[illegible]					18
Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		[illegible]					19
Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		[illegible]					20
Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
	BP 242 D 76%				22		11.90							22
Sub Total (52 + 53)	100%				23				[illegible]					23
Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		[illegible]					24
Sample Total (S and T)					25				[illegible]		[illegible]			25
Section Total (S and T)					26				[illegible]*					26
					27				[illegible]					27
Total Colors					28				[illegible] (*)			-Use on line 10		28
					29							of worksheet		29
					30							for entire Dept.		30
					31									31
					32									32
					33									33
					34									34
					35									35
					36									36
					37									37
					38									38

DUP050062520

PIGMENTS DEPARTMENT MONTH OF Nov 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	Line
PIGMENTS					1									1
"Ti-Pure"					2									2
Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
Sample Total					5									5
Product Total					6				4382.0 *					6
"Ti-Cal"					7									7
Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		166.2 *					8
Colors					9									9
Product Total	(See subsidiary worksheet)				10	(1)	(1)	102.89	1155.0 *	1122.6				10
Total Pigments					11			(Cum.)	5643.2 (*)	5610.8	100.58	131.2	132.0	11
METALLICS					12									12
Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88	102.25	36.2 *	35.5				13
Zircon	All	Ton	S.P.	Bulk	14		34.00	111.76	138.2 *	123.7				14
Silicon					15									15
Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
	Densified	Lb.	S.P.	All quantities	17		330.00							17
	Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
Total					19				X					19
Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
	Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
Total					22				X					22
Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
	Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
Total					25				X					25
Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
Sample Total					27				(X)					27
Product Total					28				4185 *					28
Titanium Metal					29									29
A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82	87.91	209.5	238.3				30
A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70	88.24	47.6	53.9				31
Sample Total					32				257.1	292.2	87.99			32
Product Total					33				290.6 *	330.3				33
Total Metallics					34			(Cum.)	883.5 (*)	908.0	97.30	45.6	44.4	34
					35									35
Total Pigments Department (line 11 + 34)					36			(SD)	6526.7	6518.8	100.12	102.0	102.1	36
					37									37
(1) Price relative computed on page 2.					38									38

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PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)×(7) (8)	LINE
INORGANIC					1									1
Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00		209.6					2
Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3	35.00	31.50	111.11	248.4	223.6				3
Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00		63.8					4
Sample Total (S and T)					5				521.8	497.0	104.99			5
Section Total (S and T)					6				557.5*	531.0				6
ORGANIC					7									7
"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00	95.00	151.5	159.5				8
C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		176.3					9
C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	112.07	233.5	208.4				10
Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		13.0					11
PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		26.9					12
Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90		124.9					13
Other HON (36)(37)	RT 525 D	"	"	" "	14		2.05		22					14
Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		24					15
Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		22.7					16
Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		10.5					17
Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		40.6					18
Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		14.6					19
Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		36.7					20
Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
	BP 242 D 76%				22		11.90							22
Sub Total (52 - 53)	100%				23				13.8					23
Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		53.2					24
Sample Total (S and T)					25				995.8	978.7	101.75			25
Section Total (S and T)					26				1026.2*	991.0				26
					27									27
Total Colors					28				1555.7(*)	1572.0	102.89	Use on line 10		28
					29							of worksheet		29
					30							for entire Dept.		30
					31									31
					32									32
					33									33
					34									34
					35									35
					36									36
					37									37

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PIGMENTS DEPARTMENT MONTH OF [illegible] 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)
1	PIGMENTS					1					
2	"Ti-Pure"					2					
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢			
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢			
5	Sample Total					5					
6	Product Total					6				5150.8 *	
7	"Ti-Cal"					7					
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		1079 *	
9	Colors					9					
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	100.67	1710.2 *	1698.8
11	Total Pigments					11			(Cum.)	6928.9 (*)	[illegible]
12	METALLICS					12					
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88	102.05	37[illegible] *	
14	Zircon	All	Ton	S.P.	Bulk	14		34.00	[illegible]	158[illegible] *	
15	Silicon					15					
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00			
17		Densified	Lb.	S.P.	All quantities	17		330.00			
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00			
19	Total					19				X	
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00			
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00			
22	Total					22				X	
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00			
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00			
25	Total					25				X	
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X	
27	Sample Total					27				(X)	
28	Product Total					28				[illegible] *	
29	Titanium Metal					29					
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82	[illegible]	204.3	232.4
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70	[illegible]	[illegible]	31.8
32	Sample Total					32				[illegible]	264.2
33	Product Total					33				[illegible] *	272.1
34	Total Metallics					34			(Cum.)	[illegible] (*)	114.3
35						35					
36	Total Pigments Department (line 11 + 34)					36			(SD)	7298.0	7071.8
37						37					
38	(1) Price relative computed on page 2.					38					

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PIGMENTS --- COLORS DEPARTMENT MONTH OF [illegible] 1959

Page 2 of 2 Pages

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Index: 47-49=100 Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1	INORGANIC					1									1
2	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
3	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
4	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
5	Sample Total (S and T)					5									5
6	Section Total (S and T)					6				983.2*					6
7	ORGANIC					7									7
8	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00	95.00	321.8	338.7				8
9	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		234.7					9
10	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	112.07	318.5	284.2				10
11	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		12.9					11
12	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		33.4					12
13	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90		161.3					13
14	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		122.1					14
15	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		9.2					15
16	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		31.6					16
17	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		16.7					17
18	Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		74.0					18
19	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		14.3					19
20	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		37.6					20
21	Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
22		BP 242 D 76%				22		11.90							22
23	Sub Total (52 + 53)	100%				23				[illegible]					23
24	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		[illegible]					24
25	Sample Total (S and T)					25				1486.6	1469.2	101.18			25
26	Section Total (S and T)					26				1328.[illegible]*	1312.5				26
27						27									27
28	Total Colors					28				2312.2(*)	2246.7	100.[illegible]	-Use on line 10		28
29						29							of worksheet		29
30						30							for entire Dept.		30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37

DUP050062524

PIGMENTS DEPARTMENT MONTH OF September 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Index: 47-49=100 Current Month $P_{n\,47-49=100}$ Cols. (6)x(7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				4617.2*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		82.8*					8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	101.20	1423.2*	1406.3				10
11	Total Pigments					11			(Cum.)	6123.5 (*)	6106.3	100.28	131.2	131.6	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88	102.05	35.1*	34.4				13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00	111.76	132.9*	118.9				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				459.3*					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82	89.01	85.1	96.8				30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70	88.2	10.3	11.7				31
32	Sample Total					32				95.4	108.5	87.90			32
33	Product Total					33				121.9*	138.6				33
34	Total Metallics					34			(Cum.)	749.2 (*)	751.2	99.73	45.6	45.5	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	6872.4	6857.5	100.22	102.0	102.2	36
37						37									37
	(1) Price relative computed on page 2.					38									

DUP050062525

VP-16327

PIGMENTS --- COLORS DEPARTMENT MONTH OF September 1959

Page 2 of 2 Pages

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	Line
1	INORGANIC					1									1
2	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
3	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
4	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
5	Sample Total (S and T)					5									5
6	Section Total (S and T)					6				759.2 *					6
7	ORGANIC					7									7
8	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00	95.00	177.0	186.3				8
9	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		27.49					9
10	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	112.07	327.7	292.4				10
11	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		19.4					11
12	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		26.6					12
13	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90		161.2					13
14	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		168.8					14
15	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		8.1					15
16	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		51.2					16
17	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		9.8					17
18	Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		82.2					18
19	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		19.1					19
20	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		2.5					20
21	Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
22		BP 242 D 76%				22		11.90							22
23	Sub Total (52 + 53)	100%				23				41.5					23
24	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		94.5					24
25	Sample Total (S and T)					25				1431.5	1405.5	101.85			25
26	Section Total (S and T)					26				1482.5 *	1407.5				26
27						27									27
28	Total Colors					28				2192.7 (*)	2166.7	101.20	-Use on line 10		28
29						29							of worksheet		29
30						30							for entire Dept.		30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
						38									38

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VP-18517

PIGMENTS DEPARTMENT MONTH OF AUG 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ cols. (6) x (7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				4639.7*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		138.0*					8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	101.20	1350.6*	1334.6				10
11	Total Pigments					11			(Cum.)	6183 (*)	6112.3	100.26	131.2	131.5	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88	102.05	232*	227				13
14	Zircon	All	Ton	S.P.	Bulk	14	38.00	34.00	111.76	159.5*	142.7				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				454.5*					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30	1.62	1.82	87.91	24.4	27.8				30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31	1.50	1.70	88.24	—	—				31
32	Sample Total					32				24.4	27.8	87.91			32
33	Product Total					33				68.1*	68.4				33
34	Total Metallics					34			(Cum.)	697.3 (*)	688.3	101.31	45.6	46.2	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	6825.6	6800.6	100.37	102.0	102.4	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

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PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	LINE
1	INORGANIC					1									1
2	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
3	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
4	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
5	Sample Total (S and T)					5									5
6	Section Total (S and T)					6				688.3 *					6
7	ORGANIC					7									7
8	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00	95.00	137.4	144.6				8
9	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		279.4					9
10	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	112.07	292.3	260.8				10
11	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		11.4					11
12	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		30.8					12
13	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90		163.0					13
14	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		103.0					14
15	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		10.3					15
16	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		47.9					16
17	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		131					17
18	Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		98.2					18
19	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		15.2					19
20	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		26.6					20
21	Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
22		BP 242 D 76%				22		11.90							22
23	Sub Total (52 + 53)	100%				23				36.2					23
24	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		91.4					24
25	Sample Total (S and T)					25				1356.2	1331.9	101.82			25
26	Section Total (S and T)					26				1357.7 *	1335.4				26
27						27									27
28	Total Colors					28				2048.0 (*)	2023.7	101.20	-Use on line 10		28
29						29							of worksheet		29
30						30							for entire Dept.		30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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PIGMENTS DEPARTMENT MONTH OF JUL 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				4919.9 *					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		117.4 *					8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	101.09	1323.1 *	1308.8				10
11	Total Pigments					11			(Cum.)	6360.4 (*)	6346.1	100.23	131.2	131.5	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13	4.98	$ 4.88	102.05	36.2 *	35.5				13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00	105.88	123.3 *	116.5				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				311.2 *					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				308.2 *					33
34	Total Metallics					34			(Cum.)	670.9 (*)	663.4	101.13	45.6	46.1	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	7031.3	7009.5	100.31	102.0	102.3	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

DUP050062529

PIGMENTS --- COLORS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	LINE
1	INORGANIC					1									1
2	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
3	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
4	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
5	Sample Total (S and T)					5									5
6	Section Total (S and T)					6				694.6*					6
7	ORGANIC					7									7
8	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8	12.35	$13.00	95.00	104.9	110.4				8
9	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		212.3					9
10	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	117.07	239.7	213.4				10
11	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		12.4					11
12	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		32.9					12
13	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 429 D	"	"	" "	13		1.90		17.3					13
14	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		8.3					14
15	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		5.7					15
16	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		20.7					16
17	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		[illegible]					17
18	Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		[illegible]					18
19	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		12.7					19
20	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		24.3					20
21	Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
22		BP 242 D 76%				22		11.90							22
23	Sub Total (52 + 53)	100%				23				[illegible]					23
24	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		[illegible]					24
25	Sample Total (S and T)					25				79.7	1158.9	101.75			25
26	Section Total (S and T)					26				191.7*	1160.7				26
27						27									27
28	Total Colors					28				1875.1(*)	1855.5	101.09	-Use on line 10		28
29						29							of worksheet		29
30						30							for entire Dept.		30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37

DUP050062530

PIGMENTS DEPARTMENT MONTH OF JUN 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				4948.4 *					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		188.6 *					8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	101.55	1432.0*	1410.1				10
11	Total Pigments					11			(Cum.)	6566.0(*)	6544.1	100.33	131.2	131.6	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88		41.0 *					13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00	105.88	129.6 *	122.4				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19					X				19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22					X				22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25					X				25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00			X				26
27	Sample Total					27					(X)				27
28	Product Total					28				428.1 *					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				277.4 *					33
34	Total Metallics					34			(Cum.)	876.1 (*)	868.9	100.83	45.6	46.0	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	7442.1	7413.0	100.39	102.0	102.4	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

DUP050062531

VP-10227

PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	LINE
1	INORGANIC					I									1
2	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
3	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
4	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
5	Sample Total (S and T)					5									5
6	Section Total (S and T)					6				765.6 *					6
7	ORGANIC					7									7
8	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00		84.6					8
9	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		249.4					9
10	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90	118.07	289.7	258.1				10
11	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		16.8					11
12	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		21.2					12
13	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90		1.21					13
14	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		4.77					14
15	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		8.4					15
16	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		27.3					16
17	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		16.2					17
18	Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		92.8					18
19	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		57.2					19
20	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		31.4					20
21	Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
22		BP 242 D 76%				22		11.90							22
23	Sub Total (52 + 53)	100%				23				52.1					23
24	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		52.1					24
25	Sample Total (S and T)					25				1274.5	1243.4	102.50			25
26	Section Total (S and T)					26				1237.5 *					26
27						27									27
28	Total Colors					28				2042.1 (*)	2011.9	101.50	-Use on line 10		28
29						29							of worksheet		29
30						30							for entire Dept.		30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
						38									38

DUP050062532

PIGMENTS DEPARTMENT MONTH OF MAY 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	Line
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				5283.0 *					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢		150.6 *					8
9	Colors					9			101.36		1347.0				9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)	~~102.88~~	1365.3 *	~~1327.1~~				10
11	Total Pigments					11			(Cum.)	6798.9 (*)	~~6760.7~~	100.57	131.2	131.9	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88		40.7 *					13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00	105.88	133.6 *	126.2				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				288.6 *					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				374.0 *					33
34	Total Metallics					34			(Cum.)	837.0 (*)	829.6	100.89	45.6	46.0	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	7635.9	~~7590.3~~	100.~~60~~ 34	102.0	102.~~6~~ 3	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

DUP050062533

PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6)x(7) (8)	Line
INORGANIC					1									1
Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
Sample Total (S and T)					5									5
Section Total (S and T)					6				775.2 *					6
ORGANIC					7									7
"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00		86.8					8
C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		262.9	222.1				9
C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10	3.25	2.90	112.07	~~144.0~~	~~050.5~~				10
Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45		15.2					11
PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60		26.0					12
Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90		176.6					13
Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05		68.4					14
Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75		7.7					15
Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80		20.5					16
Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80		19.4					17
Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70		96.0					18
Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20		22.8					19
Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20		26.4					20
Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
	BP 242 D 76%				22		11.90							22
Sub Total (52 + 53)	100%				23				53.2					23
Azo (56)(57)	YT 562 D	"	"	" "	24		5.50		86.2	[illegible]	[illegible]			24
Sample Total (S and T)					25			[illegible]	~~1697.7~~	~~1618.6~~	~~104.85~~			25
Section Total (S and T)					26				1179.3 *	1124.7				26
					27					[illegible]				27
Total Colors					28				1954.6(*)	~~1999.9~~	~~102.88~~	-Use on line 10		28
					29					[illegible]	[illegible]	of worksheet		29
					30							for entire Dept.		30
					31									31
					32									32
					33									33
					34									34
					35									35
					36									36
					37									37
					38									38

DUP050062534

PIGMENTS DEPARTMENT MONTH OF APR 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)x(7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢							8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)		*					10
11	Total Pigments					11			(Cum.)	6964.7 (*)		100.0	131.2	131.0	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88		34.6 *					13
14	Zircon	All	Ton	S.P.	Bulk	14	36.00	34.00	105.88	131.7 *	124.4				14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				408.1 *					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				287.1 *					33
34	Total Metallics					34			(Cum.)	661.5 (*)	854.0	102.85	45.6	46.0	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	7626.0	7818.9	100.09	102.0	102.1	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

DUP050062535

PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (numerator) $p_n q_n$ 129 sheet or sales tab. (4)	Current Quantity at December Prices (denominator) $p_{Dec}\, q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	Line
INORGANIC					1									1
Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
Sample Total (S and T)					5									5
Section Total (S and T)					6				*					6
ORGANIC					7									7
"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00							8
C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35							9
C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90							10
Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45							11
PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60							12
Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90							13
Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05							14
Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75							15
Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80							16
Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80							17
Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70							18
Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20							19
Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20							20
Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
	BP 242 D 76%				22		11.90							22
Sub Total (52 + 53)	100%				23									23
Azo (56)(57)	YT 562 D	"	"	" "	24		5.50							24
Sample Total (S and T)					25									25
Section Total (S and T)					26				*					26
					27									27
Total Colors					28				(*)			-Use on line 10		28
					29							of worksheet		29
					30							for entire Dept.		30
					31									31
					32									32
					33									33
					34									34
					35									35
					36									36
					37									37
					38									38

DUP050062536

PIGMENTS DEPARTMENT MONTH OF March 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 sheet or sales tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December P_{Dec} 47–49=100 Economist's Office (7)	Current Month P_n 47–49=100 cols. (6) x (7) (8)	Line
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢							8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)		*					10
11	Total Pigments					11			(Cum.)	6086.7 (*)	6086.7	100.00	131.2	131.2	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88		*					13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00		*					14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				*					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				*					33
34	Total Metallics					34			(Cum.)	905.6 (*)	1056	100.00	45.6	45.6	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	6992.3	6992.3	100.00	102.0	102.0	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

DUP050062537

VF-18317

PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	Line
1	INORGANIC					1									1
2	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
3	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
4	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
5	Sample Total (S and T)					5									5
6	Section Total (S and T)					6				*					6
7	ORGANIC					7									7
8	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00							8
9	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35							9
10	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90							10
11	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45							11
12	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60							12
13	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90							13
14	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05							14
15	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75							15
16	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80							16
17	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80							17
18	Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70							18
19	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20							19
20	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20							20
21	Non Azo NS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
22		BP 242 D 76%				22		11.90							22
23	Sub Total (52 + 53)	100%				23									23
24	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50							24
25	Sample Total (S and T)					25									25
26	Section Total (S and T)					26				*					26
27						27									27
28	Total Colors					28				(*)			Use on line 10		28
29						29							of worksheet		29
30						30							for entire Dept.		30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062538

PIGMENTS DEPARTMENT MONTH OF February 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢							8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)		*					10
11	Total Pigments					11			(Cum.)	5572.2 (*)	5572.2	100.00	131.2	131.2	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88		*					13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00		*					14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				*					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				*					33
34	Total Metallics					34			(Cum.)	8946 (*)	8946	100.00	45.6	45.6	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	6472.9	6472.9	100.00	102.0	102.0	36
37						37									37
38	(1) Price relative computed on page 2.					38									38

DUP050062539

PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	LINE
	INORGANIC					1									1
1	Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00							2
2	Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50							3
3	Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00							4
4	Sample Total (S and T)					5									5
5	Section Total (S and T)					6				*					6
6	ORGANIC					7									7
7	"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00							8
8	C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35							9
9	C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90							10
10	Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45							11
11	PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60							12
12	Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90							13
13	Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05							14
14	Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75							15
15	Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80							16
16	Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80							17
17	Toluidine (44) (45)	RT 385 D	"	"	" "	18		1.70							18
18	Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20							19
19	Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20							20
20	Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
21		BP 242 D 76%				22		11.90							22
22	Sub Total (52 + 53)	100%				23									23
23	Azo (56)(57)	YT 562 D	"	"	" "	24		5.50							24
24	Sample Total (S and T)					25									25
25	Section Total (S and T)					26				*					26
26						27									27
27	Total Colors					28				(*)			-Use on line 10		28
28						29							of worksheet		29
29						30							for entire Dept.		30
30						31									31
31						32									32
32						33									33
33						34									34
34						35									35
35						36									36
36						37									37
37						38									38

DUP050062540

PIGMENTS DEPARTMENT MONTH OF January 1959

Page 1 of page 2

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	LINE
1	PIGMENTS					1									1
2	"Ti-Pure"					2									2
3	Anatase	All grades	Lb.	S.P.	C/L Min. 20 Ton	3		25.50¢							3
4	Rutile	All grades	Lb.	S.P.	C/L Min. 20 Ton	4		27.50¢							4
5	Sample Total					5									5
6	Product Total					6				*					6
7	"Ti-Cal"					7									7
8	Product Total	All grades except R-60	Lb.	S.P.	C/L Min. 20 Ton	8		9.375¢							8
9	Colors					9									9
10	Product Total	(See subsidiary worksheet)				10	(1)	(1)		*		100.00			10
11	Total Pigments					11			(Cum.)	58486(*)	5848.6	100.00	131.2	131.2	11
12	METALLICS					12									12
13	Staurolite	All	Ton	S.P.	Bulk	13		$ 4.88		*					13
14	Zircon	All	Ton	S.P.	Bulk	14		34.00		*					14
15	Silicon					15									15
16	Grade 1	Needle	Lb.	S.P.	All quantities	16		320.00							16
17		Densified	Lb.	S.P.	All quantities	17		330.00							17
18		Standard Rod	Lb.	S.P.	All quantities	18		355.00							18
19	Total					19				X					19
20	Grade 2	Densified	Lb.	S.P.	All quantities	20		220.00							20
21		Standard Rod	Lb.	S.P.	All quantities	21		245.00							21
22	Total					22				X					22
23	Grade 3	Densified	Lb.	S.P.	All quantities	23		130.00							23
24		Standard Rod	Lb.	S.P.	All quantities	24		155.00							24
25	Total					25				X					25
26	Solar Cell		Lb.	S.P.	All quantities	26		90.00		X					26
27	Sample Total					27				(X)					27
28	Product Total					28				*					28
29	Titanium Metal					29									29
30	A-1	Sponge	Lb.	S.P.	Min. 100 lbs.	30		1.82							30
31	A-2	Sponge (Excl. fines & pellets)	Lb.	S.P.	Min. 100 lbs.	31		1.70							31
32	Sample Total					32									32
33	Product Total					33				*					33
34	Total Metallics					34			(Cum.)	8241(*)	8241	100.00	45.6	45.6	34
35						35									35
36	Total Pigments Department (line 11 + 34)					36			(SD)	66727	66727	100.00	102.0	102.0	36
37						37									37
38						38									38

(1) Price relative computed on page 2.

DUP050062541

VP-4037

PIGMENTS --- COLORS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	LINE
INORGANIC					1									1
Molybdate orange (1)	Entire Group	Lb.	S. P.	Min. 250 lb.	2		48.00		24.8					2
Yellow and orange (2)(3)(14)	" "	Lb.	S. P.	" "	3		31.50		20.1					3
Zinc yellow (6)(15)	" "	Lb.	S. P.	" "	4		29.00		3.2					4
Sample Total (S and T)					5				245.1					5
Section Total (S and T)					6				*					6
ORGANIC					7									7
"Monastral" Reds (16)(17)	RT-742-D	Lb.	S. P.	Barrel Quantities	8		$13.00		57.9					8
C.P.C. Green (18)(19)	GT 674 D	Lb.	S. P.	Barrel Quantities	9		3.35		60.1					9
C.P.C. Blue (20)(21)	BT 284 D	"	"	" "	10		2.90		[illegible]					10
Pigment Green B (22)(23)	GT 646 D	"	"	" "	11		1.45							11
PTMA (24) (25)	RT 612 D	"	"	" "	12		6.60							12
Lithol Rubine & "Watchung" (30)(31)(32)(33)	RT 428 D	"	"	" "	13		1.90							13
Other BON (36)(37)	RT 525 D	"	"	" "	14		2.05							14
Pigment Scarlet (39)	RL 211 D	"	"	" "	15		1.75							15
Naphthanil Toner (40)	RT 539 D	"	"	" "	16		3.80							16
Naphthanil Lake (41)	RM 545 D	"	"	" "	17		.80							17
Toluidine (44) (45)	RT 386 D	"	"	" "	18		1.70							18
Hansa Yellow (46)(47)	YT 445 D	"	"	" "	19		2.20							19
Benzidine Yellow (48)	YT 459 D	"	"	" "	20		2.20							20
Non Azo HS (52)(53)	BP 273 D 24%	"	"	" "	21		25.00							21
	BP 242 D 76%				22		11.90							22
Sub Total (52 + 53)	100%				23									23
Azo (56)(57)	YT 562 D	"	"	" "	24		5.50							24
Sample Total (S and T)					25									25
Section Total (S and T)					26				*					26
					27									27
Total Colors					28				(*)			-Use on line 10		28
					29							of worksheet		29
					30							for entire Dept.		30
					31									31
					32									32
					33									33
					34									34
					35									35
					36									36
					37									37
					38									38

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