

SINCLAIR REFINING COMPANY

Translation Book 142
 Reel 181
 Part 24, Section 4
 Frame 6434-5

June 1, 1948

1800

S-110

Production of Catalyst 6434

August 5, 1948

6434: 1 to
 Bulk weight 0.95-1

100 kg Terrana + 107 liter 8(10)% HF-solution + 165 liter solution
 with (10% N₂, 10% H₂S, 10% yellow ochre) = 100 catalyst.

That means: for 1 ton of 6434 are needed

WO ₃	0.116 to WO ₃ (B1) as yellow ochre(B1) =	0.165 yellow salt
	0.125 to	0.117 to WS ₂
	@ RM 6,216.65 "	RM 721.13
	Purchase expenses for B1. 3/4%	" " 5.42
		<u>RM 726.55</u>

Other raw-material

105 to Terrana @	RM 170/to	= 128.50
0.15 to hydrofluoric acid @	RM 290/to	= 43.50
For 0.117 WS ₂		

NH ₃	0.03 + 0.12 = Total 0.15 @ RM 300/to	= 45.--
NaSH-liquor	0.25 + 0.37 = " 0.65 " 85	= 52.70
NaOH	0.095 + 0.55 = " 0.650 " 35	= 22.57
HCl	0.44 + 1.5 = " 0.195 " 45	= 87.75
H ₂	30 m ³ + 400 m ³ = " 430 m ³ @ 6 Pfg./m ³	= 25.80
N ₂	150 m ³ + 1500 m ³ = 1650 m ³ @ 3 Pfg./m ³	= 49.--
		<u>504.82</u>

Charges

Working up-charge B1 + freight	0.117 x 2114.45	= 247.40
Wages 304 x 0.117 = 35.50 + 480		= 515.56
Salaries 92 x 0.117 = 10.76 + 144		= 154.76
Repairs 360 x 0.117 = 42.12 + 350		= 392.12
Pressing + 400		= 400.--
Energy 40 x 0.117 = 4.7 + 80		= 84.70
Interest, taxes, fire protection, 35x0.117 = 4.09 + 35		= 39.09
Amortisation 50 x 0.117 = 5.85 + 70		= 75.85
Security addition 80 x 0.117 = 9.36 + 145		= 154.36
		<u>= 2,163.84</u>

Production value (Me-price)	RM 3295.21/to
Analysis charges	+100.--
Production value (Me-price)	<u>RM 3395.21/to</u>

Charges for transport and storage ab. 1%	RM 34.--
Capital interest 5% on capital	
1/2 yr. = 2.5% on RM 3,395.21	" 85.--
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Overhead 11.11% of 3,514.21	RM 3,514.21
	390.43
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Calculated intermediary value, working costs	RM 3,904.64

	Bragg		Other firms
Calculated intermediary	3,904.64		3,904.64
Interest on investment capital			
RM 26,000.--, 5%/yr.	36.10		
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Profit	3,940.74 (sic)		3,904.64
	<hr/>	10%	<hr/>
	3,910.74		390.46
Sales charges		1%	4,295.10
Sales tax 2%	89.10	2%	44.28
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	RM 4,020.34		RM 4,427.94

M. Bath
May 13, 1948

MB:af