REFINING CONDITIONS

<table>
<thead>
<tr>
<th>HYDRAULIC</th>
<th>C.S.</th>
<th>Cold Pr.</th>
<th>Slow break</th>
<th>Peanut</th>
<th>Soya Bean</th>
<th>Corn</th>
<th>COCONUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lye</td>
<td>*11A</td>
<td>*11A</td>
<td>*16D</td>
<td>*16D</td>
<td>*16D</td>
<td>*16D</td>
<td>*16D</td>
</tr>
<tr>
<td>Speed</td>
<td>250±10</td>
<td>250±10</td>
<td>250±10</td>
<td>250±10</td>
<td>250±10</td>
<td>250±10</td>
<td>250±10</td>
</tr>
<tr>
<td>Time cold</td>
<td>15'</td>
<td>15'</td>
<td>15'</td>
<td>15'</td>
<td>15'</td>
<td>15'</td>
<td>15'</td>
</tr>
<tr>
<td>Time hot</td>
<td>12'</td>
<td>12'</td>
<td>12'</td>
<td>12'</td>
<td>12'</td>
<td>12'</td>
<td>12'</td>
</tr>
<tr>
<td>Final oil temp</td>
<td>60-65 °C</td>
<td>60-65 °C</td>
<td>60-65 °C</td>
<td>60-65 °C</td>
<td>60-65 °C</td>
<td>60-65 °C</td>
<td>60-65 °C</td>
</tr>
<tr>
<td>Time cooling in bath</td>
<td>30'</td>
<td>30'</td>
<td>30'</td>
<td>30'</td>
<td>30'</td>
<td>30'</td>
<td>30'</td>
</tr>
<tr>
<td>Add'n cooling and settling</td>
<td>1-16 hrs.</td>
<td>1-16 hrs.</td>
<td>1-16 hrs.</td>
<td>1-16 hrs.</td>
<td>1-16 hrs.</td>
<td>1-16 hrs.</td>
<td>1-16 hrs.</td>
</tr>
<tr>
<td>Drain soap stock</td>
<td>solid</td>
<td>solid</td>
<td>solid</td>
<td>solid</td>
<td>solid</td>
<td>solid</td>
<td>solid</td>
</tr>
</tbody>
</table>

Clarification:
- Filter-Cel.......................... 0.5 gm.
- Bloom............................... 0
- ROOM TEMPERATURE.................. 70° ± 2
- Agitation.......................... none
- Speed............................... 250±10
- Time............................... 75-80 min.
- Time hot............................ 12'
- Temp. hot bath..................... 26-30 ° C.
- Temp................................ 75-80 ° C.
- Drain............................... 15'

(c) Crude Coconaut Oil: The strength of sodium hydroxide solution to be used in refining crude oils shall be 20° in all cases. The amount to be used shall be calculated from the following formula:

F.F.A. (as Oleic) × 1.10 = % of 20° sodium hydroxide solution

(b) Crude Peanut Oil: On crude peanut oils three refirings shall be made, using the following strengths and amounts of sodium hydroxide solution:

Crude Peanut Oils with F.F.A. not exceeding 3%—
12° sodium hydroxide solution using 60% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

16° sodium hydroxide solution, making one test with 80% and one test with 80% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

On Crude Peanut Oils with F.F.A. exceeding 3%—
16° sodium hydroxide solution using 60% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

One test using 16° and one test using 20° sodium hydroxide solution, using in both tests 80% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

Tables follow which show the required percentages of each strength of lye to be used:

(b) Crude Peanut Oil: On crude peanut oils three refirings shall be made, using the following strengths and amounts of sodium hydroxide solution:

Crude Peanut Oils with F.F.A. not exceeding 3%—
12° sodium hydroxide solution using 60% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

16° sodium hydroxide solution, making one test with 80% and one test with 80% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

On Crude Peanut Oils with F.F.A. exceeding 3%—
16° sodium hydroxide solution using 60% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

One test using 16° and one test using 20° sodium hydroxide solution, using in both tests 80% of the maximum amount calculated from the formula given for hydraulic pressed crude cottonseed oil.

Tables follow which show the required percentages of each strength of lye to be used:
In Savings Acct, Hibernia Bk. &
Trust Co. (Frozen) ......... 281.42
In Savings Acct, Canal Bk. &
Trust Co. (Frozen) ....... 772.67
In Checking Acct, Canal Bk. &
Trust Co. (Frozen) ....... 344.23

Received During Year From—
Interest on cash in Savings ac-
counts in Banks ............... 26.20
Cash in Exchange of Liberty
Bonds called in by Government 202.13
Cash from Exchange of Old
Bonds of Nat'l Union Mortgage
Securities ...................... 489.33

Dues and Journal "Oil and Soap"
Dues—Individual Associate 1934-
35 ($3.50 each) ............... 17.50
Dues—Corporation Associate
1934-35 ($2.50 each) ........ 165.00
Dues—Individual Associate
1935-36 ($3.50 each) ........ 3.50
Dues—Active 1935-36 ($3.50 each) .... 42.00

Members' Subscriptions to Jour-
nal "Oil and Soap"—
From Payments for year 1934-
1935 .......................... 762.50
From Payments for year 1935-
1936 .......................... 32.50

Referee Examining Board and
Referee Chemists
Fees for Referee Chemist's Cer-
tification for year 1934-35 .... 165.00

Standard Salts
Sales of Ammonium Sulphate... 18.00
Sales of Sodium Carbonate .... 30.00
Collected for Postage on sales
shipments ...................... 8.12

Aluminum Moisture Dishes
Sales or Dishes ................ 17.46
Collected for Postage advanced
on sales shipments ............ 1.23

Color Glasses and Colorless Clear
Glasses
No business done in this account.

Methods of Analysis
For Binders sold ................ 80.00
For sets of Methods complete in-
cluding 1933 Revisions ....... 10.25
For sets of 1933 Revisions only .. 1.22
For sets of Methods complete in-
cluding 1934 Revisions ....... 97.00
For sets of 1934 Revisions and
Soap Methods only ........... 52.17
Collected for Postage advanced
on sales shipments ............ 12.91

Conventions and Meetings
Receipts at Annual Spring Meet-
ing, New Orleans, May 31st and
June 1st, 1934 ................ 223.00
Cash in hands of Chicago Local
Committee May 1st, 1934 ....... 161.84
Receipts at Fall Meeting, Chicago,
Oct. 11th and 12th, 1934 ...... 530.00

Smalley Foundation
For, Check Meal Samples 1934-
1935 Series .................. 870.00

Grand Total Cash Receipts..... $8,249.09

PAYMENTS
Office of the Secretary-Treasurer
Salary of Secretary-Treasurer ... $ 390.00
Salary of Clerical Help, Steno-
grapher, etc. .................. 390.00
Postage ....................... 34.01
Stationery, etc. ............... 37.30
Office Supplies and Equipment.. 10.20
Sundry Expenses, Bond of Sec-
retary-Treasurer, Rent Safe
Deposit Box, Telegraphs, etc.. 22.67
President's Contingent Fund, Ex-
 pense, etc. ..................... 19.47
Exchange on Checks, Bank
Bank Handling fees, Federal
Tax, etc. ...................... 17.67

Dues and Journal "Oil and Soap"
Advertisements in Journal "Oil
and Soap" ....................... 420.00
Sundry Expenses, Telegraphs,
Postage, Expressage, etc ....... 15.40
Printing ....................... 1.54
Publishers Bills for Journal "Oil
and Soap" ...................... 497.00
Journal Committee's Expenses
(W. H. Irwin Chairman) ....... 37.00

Referee Examining Board and
Referee Chemists
Postage ........................ 4.72
Sundry Expenses ............... 4.72
Printing ........................

Official Fullers Earth and Kie-
selguhr (Filtercel)
Postage advanced on sales ship-
ments ......................... 90.98
Paper, Twine, Cartons, etc., and
boy to make shipments .......... 6.45
Printing Labels, etc ............ 12.75
New supply of Fullers Earth as
prepared at Procter & Gamble
Co. Plant, Ivorydale, O ....... 334.30
Freight and Drayage charges on
new supply of earth from Ivory-
dale, O ....................... 45.71

Standard Salts
Postage advanced on sales ship-
ments ........................ 56.12
Paper, Twine, etc., and boy to
make shipments ............... 1.00

Aluminum Moisture Dishes
Postage advanced on sales ship-
ments ........................ 1.34
Paper, Twine, etc., and boy to
make shipments ............... 1.00

Amounts Forwarded .............. $2,382.71

Color Glasses and Colorless Clear
Glasses
Postage on Color Glasses returned .35

Methods of Analysis
Postage advanced on sales ship-
ments ........................ 35
For 1934 Revisions and Soap
Methods printed ................ 120.38
For new lot of Binders for Meth-
ods .......................... 78.00
Paper, Twine, etc., and boy to
make shipments ............... 2.50

Conventions and Meetings
Annual Meeting in New Orleans,
May 31st and June 1st, 1934 :
Meeting Expenses ............ $ 6.00
Banquet and Entertain-
ment Expenses ............... 412.00

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