

51	99.618	77	99.244
20	99.606	1	99.167
26	99.594	9	99.079
6	99.574	44	99.023
22	99.574	67	98.862

No reference in this report has been made to the moisture results. We, however, feel that the moisture determination still requires considerable work on the part of the Moisture committee.

In concluding this report your committee feels that the Society owes again to Mr. Thos. C. Law a tremendous debt for his care and attention in preparing and mailing the samples.

Personnel of Committee: Messrs. G. W. Agee, C. A. Butt, L. B. Forbes, N. C. Hamner, L. C.

Haskell, G. K. Witmer, A. W. Putland, Chairman.

The following figures showing comparative exports of fish oils from Newfoundland were submitted by Vice Consul Cobb at St. John's, Newfoundland:

	1929	1930	1931
	Gals.	Gals.	Gals.
Cod oil	676,096	860,160	1,026,818
Cod liver oil	162,048	198,448	158,323
Seal oil	594,436	596,322	305,680

Report of The Referee Board

W. H. IRWIN, Chairman

DURING the year 1931-32, the Referee Board of the American Oil Chemists' Society granted only one new Referee Certificate, that to A. G. Hayes, Memphis, Tenn. The Referee Board re-certified the following laboratories:

1. E. G. Williams, New Orleans, La.



W. H. Irwin, Chairman of Referee Board

2. Curtis & Tompkins, San Francisco, Cal.
3. Battle Laboratories, Montgomery, Ala.
4. Southwestern Laboratories, Dallas, Tex.
5. Fort Worth Laboratories, Fort Worth, Tex.
6. Texas Testing Laboratories, Dallas, Tex.
7. Law & Company, Atlanta, Ga.
8. Shuey & Co., Savannah, Ga.
9. Houston Laboratories, Houston, Tex.
10. L. B. Forbes Laboratory, Little Rock, Ark.
11. H. M. Shilstone, New Orleans, La.
12. Barrow-Agee Laboratories, Shreveport, La.
13. Southwestern Laboratories, San Antonio, Tex.
14. G. W. Gooch Laboratories, Los Angeles, Cal.
15. J. C. P. Helm, New Orleans, La.
16. Chas. W. Rice & Co., Columbia, S. C.
17. General Laboratories, Oklahoma City, Okla.
18. Industrial Laboratories, Fort Worth, Tex.
19. N. E. Katz, Meridian, Miss.
20. Barrow-Agee Laboratories, Memphis, Tenn.

- 21. Barrow-Agee Laboratories, Jackson, Miss.
- 22. Laucks Laboratory, Seattle, Wash.
- 23. H. P. Trevithick, New York, N. Y.
- 24. Picard Laboratories, Birmingham, Ala.
- 25. Wm. M. Black, Augusta, Ga.
- 26. Galveston Laboratories, Galveston, Tex.
- 27. Morris-Flinn Company, Macon, Ga.
- 28. Texas Testing Laboratories, San Antonio, Tex.

In order to save expense and duplication of work, it was agreed by the Referee Board and the Chemists' Committee of the National Cottonseed Products Association to send out joint samples of crude cotton oil for cooperative work to the Official Referee Laboratories.

An examination of these figures discloses the fact that the Refining Loss figures are in much better agreement than the Color Readings, and that on the whole, the agreement between the laboratories on Refining Loss is much closer

than in former years. There are, however, quite wide differences in the Color Readings. In considering the color results, it is only fair to say that one of the samples sent out was of high color, and as shown by the summary of Sample No. 4 the agreement in color reading on this sample is partially responsible for the poor showing as indicated in the final recapitulation.

The Referee Board feels that future cooperative work should cover color readings on identical samples of yellow cotton oil sent out by the Referee Board in order to ascertain how much of the trouble lies in the actual color reading, and how much is due to the refining and filtration of the oil.

REFeree BOARD, A. O. C. S.
 W. H. Irwin, Chairman.
 A. S. Richardson,
 L. C. Haskell,
 H. Aspegren,
 F. Paquin.

A Summary of the Results of the Work of the Committee Is Shown in the Following Table:

	No. 1	No. 2	No. 3	No. 4
Refining Loss:				
Results exactly on average.....	2	3	7	4
Results within .1 of average.....	10	13	12	13
Results within .2 of average.....	18	16	20	17
Results within .3 of average.....	21	24	21	24
Results within .4 of average.....	26	25	24	26
Results within .5 of average.....	27	25	25	26
Results more than .5 from average.....	1	3	4	3
Color:				
Results exactly on average.....	2	10	2	1
Results within .1 of average.....	9	14	7	3
Results within .2 of average.....	12	18	15	7
Results within .3 of average.....	20	23	22	11
Results within .4 of average.....	25	24	24	14
Results within .5 of average.....	26	26	28	20
Results more than .5 from average.....	2	2	1	9
RECAPITULATION				
Refining Loss:		Color:		
16 results exactly on average		20 results exactly on average		
48 results within .1 of average		38 results within .1 of average		
71 results within .2 of average		57 results within .2 of average		
90 results within .3 of average		78 results within .3 of average		
101 results within .4 of average		87 results within .4 of average		
103 results within .5 of average		97 results within .5 of average		
11 results more than .5 from average		17 results more than .5 from average		