

REPORT OF THE COLOR COMMITTEE OF THE AMERICAN OIL CHEMISTS' SOCIETY, YEAR 1937-1938

Your Color Committee was late in beginning any activities this year due to the fact that the Chairman was unable to give the necessary time to the work of planning its program and getting the work under way.

It was planned that the Committee should: first, gather all the information possible from the various members of the Society as to the ratio of yellow to red in the various oils and from the information received offer recommendations to the Society; second, re-arrange and re-write the rules governing color reading.

The matter of soliciting and collecting data on actual colors of various oils was left in the hands of L. M. Gill, a member of our Committee. He sent out data sheets to members of our Society soliciting their assistance in furnishing actual color readings from their records.

From 45 different laboratories we obtained color readings on the following oils:

Kind of Oil	Number of Readings Received
Castor	2
Coconut	1,013
Corn	194
Cottonseed	1,889
Fatty Acids	186
Grease	173
Lard	181
Linseed	10
Menhaden	65
Mixed Fats	20
Palm Crude	9
Palm Refined	168
Palm Kernel	192
Peanut	297
Sardine	21
Sesame	37
Soyabean	500
Sun Flower	16
Tallow	832
Tung	8
Whale Oil	25

From the data received on the above oils, we believe after having thoroughly analyzed it and plotting various curves, it will be possible to offer some recommendation to the Society. We were not able to finish the work on this part of our program. Many more readings are desired on some of the oils before any accepted averages are considered reliable.

While some attention was given to the re-writing of the rules, it was considered wise to wait until the

above part of our program could be completed and also until the Committee could meet and carefully consider the wording and arrangement of the rules. Your Committee therefore has no recommendation to offer to the Society at this time, but wants to strongly urge the incoming Committee to complete the work now under way.

The Committee wishes also to thank L. M. Gill for the interest and work he has done this year and also acknowledge receipt of the data on color readings from the many contributors and to thank them for their assistance in making it possible to gather data which the Color Committee of the Society may use in its future work.

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W. D. HUTCHINS,
Chairman.

REPORT OF COLOR GLASS DEVELOPMENT COMMITTEE

During the past year, the Electrical Testing Laboratories of New York have adjusted and recalibrated 210 Lovibond Red Glasses, bringing the total to 535 since this work was begun in the Summer of 1935. These figures indicate an increase in demand for this service as the number of glasses adjusted in the last ten months is about half the total for the three years.

In this committee's 1937 report it was noted that The Tintometer, Ltd., manufacturers of the Lovibond glasses, had promised to send to the Bureau of Standards a set of red glasses comprising the whole numbers from 1 to 10 upon which a special effort would be made to bring them into conformity with the N'' scale.

This set was received by the Bureau, N'' values assigned to each

glass, and the set returned to the Tintometer, Ltd.

The Bureau of Standards report on the set is now in the hands of the members of this committee for decisions regarding any action to be taken. The Bureau's report indicates progress has been made by the Tintometer, Ltd., in the direction of meeting the society's requirements.

During the past year, 415 Lovibond red glasses have been graded in the Colorimetry Section of the Bureau. These, together with the large number of glasses (over 3,000) graded by the Bureau in previous years, no doubt constitute a substantial portion of the red glasses now in use by the society. It is apparent that the society is approaching nearer to the ideal condition where oil color readings will be on

the basis of the Bureau of Standards N'' scale.

The committee has no recommendations to be acted upon by the society at this time.

Submitted by

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