

Laboratory Certificate Issued by
Smith-Emery Company
Chemical Engineers and Chemists,
Los Angeles, Calif.

Progress Report:
Psychological Properties of Saponin:

In order to determine the psychological action of material submitted by you, we have conducted feeding tests on Guinea Pigs and noting any change in their condition which might become apparent. The feeding experiment was started on July 18th, using four Guinea Pigs for the tests. The pigs were weighed and tagged for identification, after which one gram of dry Saponin made into paste with water was introduced directly into the stomach of each pig. One gram of the Saponin is given each pig every other day along with a balanced diet of lettuce, carrots, rolled oats, etc., in order to maintain normal conditions and body weight. So far no change has been noted in the pigs, the appetite is normal as well as their appearance and the actions of various organs. The tests indicate there is **NO POISONOUS** or **HARMFUL** substance which is detrimental to animal life. It is safe to use Saponin as a feeding stuff in proper proportion in a balanced ration.

Respectfully submitted,
Smith-Emery Company.

The Professional Laboratory
Long Beach, Calif.

Cordage Fiber Company, Inc.
San Bernardino, Calif.
Gentlemen:

This is to certify that the sample of Saponin extracted by your process and which was submitted to us for analysis for any poisonous properties, has been examined with the following results: 100 grams of Saponin to which we added water to form a paste was added 200 grams of rolled Oats. The mixture was thoroughly mixed and dried. Another 200 grams of rolled Oats was made up to which we added 100 grams of glucose in the form of a paste and dried. The Saponin sample and the glucose were each divided into two groups of 5 pigs to each group. The Guinea Pigs were selected to weigh about the same and were in good condition.

The tests Guinea Pigs were all killed on January 3rd, and examined very thoroughly for any changes in the liver and any other abnormal effects of the feeding of Saponin. The organs of the Guinea Pigs were all found to be normal.

In my opinion there can be no harmful effects from taking as much as one half gram of Saponin extracted by your process per pound weight of any animal. Of course, this would include human beings as well.

Very truly yours,

J. E. Herrison.

Subscribed and sworn to before me
the 9th day of January.

Maud M. Wallace,
Notary Public.

U. S. Department of Agriculture,
Bureau of Chemistry.

SAPONIN is used extensively in products which are sold as so-called substitutes for white of egg for use in the preparations of meringues, frostings, fillings, marshmallows and similar products. **IT** appears that Saponin is used in these products solely as a foam producer and have in most cases the result of giving them a fictitious appearance of body and therefore a food value.

CORDAGE FIBER COMPANY, Inc.

Manufacturers of the **ONLY NON-TOXIC SAPONIN** in the World

REG. TRADE-MARK "ZAPONIN"

655
Sierra Way
P. O. Box 229

SAN BERNARDINO, CALIFORNIA

Phone
402-31

Julio 22 de 1935

Sr. General Plutarco Elias Calles
Hotel Cortez
San Diego, Calif.

Muy estimado y viejo amigo:

Con la presente tengo el gusto de salutarlo y sin duda se recordara Ud. de Luis Wolf de Guaymas..

El objeto de la presente es lo siguiente :

Hace varios años trabajando en perfeccionar el proceso en manufacturar SAPONIN, el cual hasta hoy fue importado de Alemania para todos partes del mundo, con gusto puede decir, que mi proceso esta perfecto y hace unos cuantos años, que estoy abastecer parte del mercado aqui y lo unico que me retene, es falta de el capital necesario para mi fabrica.

Sin duda Ud. esta bien impuesta de los dificultades que hay aqui para conseguir capital y tentre mucho gusto si yo podia Ud. o unos de sus hijos intresar en esta industria, la cual es sin compedencia y va a dejar buenas utilidades..

Mucho gusto tentria de hacerlo una visita en, San Diego y mucho mas gusto tentria si Ud. o unos de sus hijos me haria una visita aqui, paraque en vista de mi fabrica, etc. , Ud puede tener los informes mas necesarios para despues entrar en lo que hay que hacer en este asunto.

Espera que Ud. me contestara cuanto antes y con muchos recuerdos para Ud. ,quedo de Ud.

Afectisimo amigo atto y S.S.

Box 229.

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Agosto 16' 1935.

Sr. Luis Wolf.
% Cordage Fiber Co., Inc.
P.O.Box 229.
SAN BERNARDINO, - Calif.

Muy señor mio y amigo:-

Oportunamente recibí su carta fecha 22 del pasado julio y, en respuesta, tengo la pena de manifestarle que no me intereso en el negocio que Ud. se sirve proponerme ni creo que alguno de mis hijos pudiera interesarle.

Deseando que Ud. llegue a encontrar las facilidades que busca para el desarrollo de sus actividades, me repito como siempre su afmo. amigo y S.S.

FTb