

INDEX - T.O.M. REEL 303
(Original Designation FIAT Reel X-37)
PB L74994

Documents taken from Ammoniak Laboratorium Oppau

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- 1004-1037 Production of sulfonates from middle oil. Laboratory Rept. No. 1418, signed by Schiller and G. Wietzel dated Nov. 18, 1935, Oppau. (Numerous tables and two pages of diags. included with report.)
- 1038-1042 A method for the determination of formic acid and its salts in ammonium sulfate. Laboratory Rept. No. 1423, signed by Grassner, dated March 4, 1936, Oppau.
- 1043-1056 Contribution to the investigation of fatty acids from paraffin oxidation. Laboratory Reprt. No. 1426, signed by B. Weiss and Jahrstorfer, dated Feb. 27, 1936, Oppau. (One diagr. and seven pages of graphs included with report.) (Work was carried out during July 1935 - Jan. 1936.)
- 1057-1064A Obtaining gaseous hydrochloric acid from its aqueous solution. (A contribution to the reconversion of hydrochloric acid to chlorine.) Laboratory Rept. No. 1429, signed by Zobel and G. Wietzel, dated March 20, 1936, Oppau. (One table and two pages of diags. included with report.) (Work was carried out during Dec. 1, 1935 - March 15, 1936.)
- 1065-1073 Apparatus for the determination of the total sulfur in gases and the volatile sulfur in coal. Laboratory Rept. No. 1435, signed by Grassner, dated May 27, 1936, Oppau. (Two diags. included in report.)
- 1074-1088 Hydration of acetylene to acetaldehyde with active Al_2O_3 in the gas phase. IX. (Completion of the catalyst problem.) Laboratory Rept. No. 1436, signed by Zobel, dated May 26, 1936, Oppau. (Work was carried out during June 1, 1935 - April 1, 1936.) (Six graphs included with report.)
- 1089-1102 The reaction of steam with hydrocarbons. Laboratory Rept. No. 1468, signed by Hans Sachsse, dated June 2, 1936, Oppau. (Two tables and four graphs included with report.) (Work was carried out during April - May 1936.)
- 1103-1118 Obtaining bromine from sea water and brine. Laboratory Rept. No. 1440, signed by Grassner, dated July 16, 1936, Oppau. (Three tables, one graph and one diagr. included in report.)

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- 1119-1138 Experiments on the preparation of synthetic resin (synthetic shellac) on an acetaldehyde basis. Laboratory Rept. No. 1441, signed by Rössler and Hammerschmid, dated Aug. 26, 1936, Oppau. (Patent references given, and one graph and six photos attached.) (Work was begun in Feb. 1935.)
- 1139-1147 The effect of various methods for improving paraffin - fatty acids. Laboratory Rept. No. 1446, signed by Schiller and Wietzel, dated Oct. 13, 1936, Oppau.
- 1148-1175 Troublesome hydrocarbons occurring in the acetaldehyde synthesis from acetylene. Laboratory Rept. No. 1457, signed by Zobel and Wietzel, dated Sept. 23, 1936, Oppau. (Six graphs, one diagr. and two tables included with report.)
- 1176-1194 Investigation of the change of the oxy acids from the paraffin oxidation products to unsaturated acids by dry distillation. Laboratory Rept. No. 1452, signed by Ertel, dated Nov. 13, 1936, Oppau. (Work was carried out during Feb. - Sept. 1936.) Supplementary report (Frames 1185-1194) concerning the investigation of the control of the iodine number method according to Wijs follows Lab. Rept. No. 1452 and has four tables and one diagr. attached to it.)
- 1195-1212 The distillation of impure acids of the paraffin oxidation according to the Wecker and Lurgi processes. Laboratory Rept. No. 1455, signed by Harder and Luther, dated Dec. 14, 1936, Oppau. (Work was carried out during April 6 - Nov. 17, 1936.) (Five tables, two diagrs. and a conference report of six pages concerning the Lurgi distillation process to obtain fatty acids, signed by Kunze, Luther and Grimm and dated in Sept. 1936, are attached to the Laboratory Report.)
- 1213-1219 Progress report concerning the results of the foam and wash testing of soaps. (Continuation of report of Nov. 5, 1936.) Report signed by Heinze, dated Jan. 15, 1937, Oppau.
- 1220-1225 A new oxidative decomposition product of carbohydrates. Laboratory Rept. No. 1454, signed by Hummel, dated Feb. 4, 1937, Oppau. (Work was carried out during March - April 1935.)

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- 1226-1239 Investigation of the acetylene content in the suction air for the nitrogen factory at Oppau. Laboratory Rept. No. 1458, signed by Dr. Hieke, dated Jan. 21, 1937, Oppau. (Three diags. included with report.)
- 1240-1259 Results of the wash and foam testing of paraffin soaps. Laboratory Rept. No. 1459, signed by Dr. Heinze, dated Feb. 4, 1937, Oppau. (Work was carried out during Oct. 1936-Jan. 1937.) (A 6-page abstract of the Laboratory Repts. 1459 and 1490 of Dr. Heinze, signed by Kölbl, and dated March 9, 1938, has been inserted between pages 6 and 7 of Laboratory Rept. No. 1459. Five tables are included in the laboratory report.)
- 1260-1298 Explosion limits and flame velocities of hydrocarbon-oxygen mixtures with regard to temperature. Laboratory Rept. No. 1462, signed by Dr. Sachsse, dated Jan. 18, 1937, Oppau. (Large number of graphs and diags. are included with report.) (Poor reproduction.)
- 1299-1306 Comparative wash and foam testing of pure sodium alkyl sulfates and sulfonic acid salts. Laboratory Rept. No. 1465, signed by Dr. Heinze, dated March 18, 1937, Oppau. (Two pages of graphs included with report.)
- 1307-1322 Washing tests according to a combined process in the wash-testing section of the Ammoniak-Laboratorium Oppau. Laboratory Rept. No. 1466, signed by Dr. Heinze, dated March 15, 1937, Oppau. (Two tables, two graphs and photo are included with report.) (Work was carried out during Dec. 1936 - Feb. 1937.)
- 1323-1328 Apparatus for the preparation of double distilled water. Laboratory Rept. No. 1470, signed by Dr. Grassner, dated March 25, 1937, Oppau. (One diagr. included with report.)
- 1329-1337 High-melting waxes with a basis of high molecular fatty acids and aromatic diamines. Laboratory Rept. No. 1479, signed by Dr. Hummel, dated June 16, 1937, Oppau. (Work was carried out during April - May 1937.)
- 1338-1356 Investigation of the mixing process in flowing gases. Laboratory Rept. No. 1484, signed by Dr. Sachsse, dated April 19, 1937, Oppau. (One diagr. and six graphs included with report.) (Work was carried out during the winter of 1936/1937.)

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- 1357-1367 The technical extraction of the unsaponifiable matter from saponification products with benzine-isobutyl alcohol. In Op. 143. Laboratory Rept. No. 1486, signed by Dr. Leithe and Dr. Harder, dated July 27, 1937, Oppau. (Two tables included in report and one diagr. attached.) (Work was carried out during June - July 1937.)
- 1368-1377 Discontinuous extraction of the unsaponifiable matter from paraffin oxidation products in a four-vessel system. Laboratory Rept. No. 1487, signed by Dr. Leithe, dated July 27, 1937, Oppau. (One graph and one diagr. included with report.)
- 1378-1414 Wash and foam testing of soaps from pure, natural, fatty acids and from fractionated paraffin fatty acids. Laboratory Rept. No. 1490, signed by Dr. Heinze, dated May 12, 1937, Oppau. (Thirteen pages of graphs and one table included with report.) (Work was carried out during Dec. 1935-Jan. 1937.)
- 1415-1426 Some more recent apparatus for the automatic organic micro elementary analysis with the help of synchro motors. Laboratory Rept. No. 1492, signed by Grassner, dated Aug. 24, 1937, Oppau. (Seven photos and one diagr. included with report.)
- 1427-1437 Technical investigation for the production of olefins from paraffins in the cracking plant Op. 23. Laboratory Rept. No. 1494, signed by Baumeister, dated Sept. 20, 1937, Oppau. (Three diagrs. included with report.) (Work was carried out during May and Aug. 1937.)
- 1438-1453 The saponification of the oxidation products from Fischer gatsch, Laboratory Rept. No. 1495, signed by M. Neber, dated Aug. 7, 1937, Oppau. (One graph and seven tables included with report.) (Work was carried out during April - June 1937.)
- 1454-1461 Heat of combustion of butyl chloride. Laboratory Rept. No. 1497, signed by H. Schluter, dated Oct. 14, 1937, Oppau.
- 1462-1467 A new distillation apparatus. Laboratory Rept. No. 1500, signed by B. Weiss, dated Oct. 29, 1937, Oppau. (Two diagrs. included with report.)
- 1468-1482 Result of the distillation of impure fatty acids (Riebeck hard paraffin basis and Fischer gatsch basis)

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according to the Bamag-Wecker Process in Heilbronn. Laboratory Rept. No. 1502, signed by Luther, Harder, and Berger, dated Dec. 7, 1937, Oppau. (Six tables included with report.)

1483-1490

Series of letters from L. Hagenbucher and Sohn Oelfabrik, Heilbronn and Veredelungsgesellschaft für Oele und Fette m.b.H. to I.G. Farbenindustrie A.G., concerning the treatment of fatty acids. Letters dated during 1937. (One diagr. and one graph included.)

1491-1499

Suitability of Fischer gasol for the production of washing agents (alcohol sulfonates.) Laboratory Rept. No. 1503, signed by Berger, dated Aug. 24, 1937 Oppau. (Five tables and one graph included with report.) (Work carried out during July - Aug. 1937.)