COMPANY CONFIDENTIAL

DATE September 13, 1962

TEST CONCLUSION NO. T.A. -C-61-949

OFFICIAL PRODUCT NAME "Lithosol" Acid RBA

PRODUCT CODE NO. 440-300 POUNDS PRODUCT ACTUAL 25,000

PLANT Chambers Works AREA Misc. Inter.

BUILDING NAME AND NO. D.M.A. Bldg. #234

TITLE Purification of 4-Aminotoluene-3-Sulfonic Acid Crude With High p-Toluidine Content

PREPARED BY: L. S. Hornbuckle LSH.

PURPOSE OF TEST: To purify four charges of 4-aminotoluene-3-sulfonic acid crude with high unconverted content.

RESULTS OF TEST: Four off-quality charges of crude containing up to 4% p-toluidine were purified on this test. The purified product was satisfactory from quality standpoint and the yield was normal based on the 4-aminotoluene-3-sulfonic acid content of the crude.

RECOMMENDATIONS: This method of purification can be used to purify high p-toluidine content crude up to 4%.

DISTRIBUTION:

F. J. Gradishar, Jackson Lab.
Jackson Lab. Library
D. B. Kirk, Ind. Eng. Div.
J. F. Laucius, Azo Lab.
J. T. Linster, Admin. Bldg. (3)
R. T. McNally, Misc. Inter. Lab.
H. Pody, Admin. Bldg.
T. J. R. Stephens, Misc. Inter. (4)
H. I. Stryker, Admin. Bldg.

APPROVED BY:

SUPT., PLANT TECHNICAL SECTION — DATE 9/18/62

SUPT., PRODUCTION AREA — DATE 9/62

DATE 17 Sept 62

DATE

DATE

ibh

MU-1752-R-3

DUP050467908

COMPANY CONFIDENTIAL

DATE December 14, 1961

TEST AUTHORIZATION NO. T.A.-C- 61-949

OFFICIAL PRODUCT NAME "Lithosol" Acid RBA

PRODUCT CODE NO. 440-300 POUNDS PRODUCT PROPOSED 25,000

AREA Misc. Inter. BUILDING NAME D.M.A. Bldg. #234

TITLE Purification of 4-Aminotoluene-3-Sulfonic Acid Crude with High p-Toluidine Content

PREPARED BY: L. S. Hornbuckle LSH RESPONSIBLE FOR TEST AND TEST CONCLUSION: W. K. Kessler

PURPOSE OF TEST: To purify four charges of 4-aminotoluene-3-sulfonic acid crude with high unconverted content.

STANDARD INVOLVED: C. W. Process for the Mfg. of "Lithosol" Acid RBA Approved October 22, 1953

DURATION OF TEST: The purification of the above four charges, or 25,000 pounds of product.

TEST DETAILS: (INCLUDE SAFETY)

The purification is to be done by the regular procedure except instead of holding at 95°C. for one hour and filtering, it will be boiled for one hour and then checked for p-toluidine content. This will be repeated until a laboratory steam distilled sample shows no evidence of p-toluidine.

DISTRIBUTION:

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T. J. R. Stephens, Misc. Inter. (4)
H. I. Stryker, Admin. Bldg.

APPROVED BY: J F Laucius 14 Dec 61 DATE

AUTHORIZED BY: H I Stryker DATE

SUPERINTENDENT, PROCESS DEPARTMENT

T J R Stephens 12/20/61 DATE

SUPERINTENDENT, PRODUCTION AREA

DATE

lbh

MU-1752-B-R-2

DUP050467909

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