

CONFIDENTIAL

PROCESSED
DATE August 20, 1958

TEST CONCLUSION NO. T.A. -C-56-306 T.M.R.

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TITLE 1-Bromo-2,4,6-triethylbenzene Crude

PLANT Chambers Works AREA "Ponsol" Colors BUILDING 770 Colors No. 2

PURPOSE OF TEST OR TRIAL: To shorten the time cycle for removal of carbon tetrachloride and to insure freedom from corrosive action in later processing.

RESULTS OF TEST OR TRIAL: The results were satisfactory and accomplished its purpose with no degrading effects on the yield or quality of the product.

RECOMMENDATIONS: It is recommended that this procedure be adopted.

PREPARED BY: J. E. Kutty

APPROVED BY:

H. E. Schuyler 12/3/58
DATE

W. H. A. B. Chambers 12/1/58
DATE

N. J. Letang 12-10-58
DATE

TEST AUTHORIZATION

Plant: Chambers Works November 28, 1956
Area: "Ponsol" Colors No. 2
Test Title: 1-Bromo-2,4,6-Triethylbenzene Crude.
Purpose of Test: To shorten time cycle for removal of carbon tetrachloride and to insure freedom from corrosive action in later processing.

Standard Involved:

Chambers Works Process for the Manufacture of 1-Bromo-2,4,6-Triethylbenzene Crude, dated April 25, 1953.

Duration of Test:

Three charges in "Ponsol" Colors No. 2

Test Details:

This test involves the method of isolation of the crude product. The carbon tetrachloride is separated from the oil by steam distillation in the presence of soda ash rather than by dry distillation. The charge and manufacture of the product are as per the process, dated April 25, 1953. The details of the isolation of the crude oil are as follows:

After the caustic soda slurry, the crude oil is separated and charged to a steam still with 150 pounds of soda ash. The carbon tetrachloride is now distilled off with jet steam only. The distillation is continued until the vapors in the column reach 100°C and the ratio of oil to water in the distillate is nil. Now stop the distillation, allow the oil to settle and separate. Draw off the bottom product layer to drums, saving the last drum (which may contain water) for subsequent separation. Add 2-3 pounds of soda ash to each drum prior to loading to dry the oil. The crude oil is then vacuum distilled according to the Test Authorization TA-C-56-304.

TA-C-56-306

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Prepared by:

L. H. Ulich

Approved by:

/s/ H. I. Stryker
Chemical Control Dept.

Authorized by:

/s/ V. R. Hurka
Production Supt.

Date: 11/30/56

/s/ A. V. Willett, Jr.
Plant Tech. Supt.

Date: 12/3/56

Responsible for Test:

W. S. Jonassen

/sp

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