

FOR COMPANY USE ONLY

DATE October 10, 1968

TEST CONCLUSION NO. T.A.C- 68-797

PROCESS FILE

OFFICIAL PRODUCT NAME 2-tert-Butylanthraquinone (TBAC)

PRODUCT CODE NO. 11490

POUNDS PRODUCT ACTUAL

AREA AZO

BUILDING NAME Benzidine House

TITLE Determination of anthraquinone content in 2-tert-butylanthraquinone

PREPARED BY: A. Chiesa

PURPOSE OF TEST: To improve on the accuracy of the current Orchem Method (42-2-4-1) for determining the anthraquinone (AQ) content of 2-tert-butylanthraquinone.

RESULTS OF TEST: A gas chromatographic method has been developed to determine the anthraquinone content of TBAC. This method is more accurate, requires less time to run and eliminates the hazards inherent in Orchem Method 42-2-4-1. Data Sheet (C34-42-2-1) has been written to cover the conditions of this analysis. Orchem Method 42-2-30-1A) will follow to be used to specify AQ content in TBAC.

RECOMMENDATIONS: It is recommended that this method replace the present method (Orchem Method 42-2-4-1) for determining anthraquinone in 2-tert-butylanthraquinone. This method will be installed in the Control Laboratory by November 4, 1968.

DISTRIBUTION.

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