

SEARCH FOR RESIDUE OF ENDRIN IN COTTON SEED CAKE AND COTTON SEED OIL

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Summary

8 Samples of cotton seed cake and 21 samples of refined and crude oil was examined for above search.

Procedure

The method was Goodwin's method. (ZWEIG 1964) who examined endrin by gas chromatography which noticed that endrin emerged as a single peak at a temperature below 200°. The standard solution contained 2.5, 5, 15, 10, 20, 25, gamma of standard endrin in one micro liter of solvent. The average of recovery tests was 90%.

The samples were taken monthly from Jahan and varamean oil - Companies

No residue was found in tested cake and oil samples.

Specification of Gas chromatograph:

AEROGRAPH : HY - FI

MODEL : 600 D

Coloumn : Chrom W. 3 × 0.8

Detector : E.C.

Recorder : Honeywell

Temperature of G.L.C. : 190°

Flow rate of carries gas : 60 ml / min

References

MAIER-BODE, H., 1964: Phlantzenschutzmittel - Rückstände.

ZWEIG G., 1964: Analytical Methods for pesticides, plant Growth Regulators, and food Additives.- Volume II.

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