MONSANTO CHEMICAL COMPANY

Anniston, Alabama
Plant Laboratory

STANDARD ANALYTICAL METHOD

Method No. 048

		DATE ISSUED	PAGE
Product	AROCLORS AND PYRANOLS	5/9/61	1 OF 1
Test	REFRACTIVE INDEX	WRITTEN BY W.W.K.	APPROVED BY W.W.K.

This Method [x] Supersedes [ ] Revises Instructions Issued On 6/14/57

SCOPE

This method describes the determination of refractive index by use of an Abbe Model 3L refractometer.

EQUIPMENT

See General Method G-3.

SAFETY

Aroclors and Pyranols are irritating to the skin. The vapors of hot materials are irritating to the eyes and upper respiratory system. If accidental contact is made with the eyes, flush immediately with large quantities of water for at least 15 minutes and get immediate medical attention. The higher Aroclors must be hot to pour, so be careful of thermal burns.

DETERMINATION

1. Mix the sample well.
2. Adjust temperature of constant temperature bath to 25.0°C.
3. Place 1 or 2 drops of sample on the lower prism.
4. Close the prism and allow sample to come to temperature equilibrium.
5. Proceed as under General Method G-3

Report refractive index at 25°C. to nearest 0.0001 unit.

Clean the prism with benzene followed by acetone.

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Note: See precautions for cleaning in General Method G-3.