

Anniston, Alabama

B. O. Severson

April 21, 1961

J. W. Melley

AROCOR 1248 - BARCLAY CHEMICAL COMPANY
NEW YORK, NEW YORK

C. M. Edelblut

This company, a salvage outfit, sent us a gallon of used Aroclor 1248 for evaluation. It represents 11,000 gallons of material used as a heat transfer medium.

The analysis is:

<u>Property</u>	<u>Result</u>	<u>Spec or Typical Value</u>
Color (APHA)	Black	100 max.
Sp. Gr. @ 65/15.5°C.	1.410	1.405 - 1.415
Acid No. (mgKOH/g.)	0.82	0.010, max.
H ₂ O (ppm)	535	50, max.
Ref. Index @ 25°C.	1.6287*	1.6298
Distillation Range, °C (760mm)		
10% by wt.	349	345
20	330	-
50	355	353
70	362	-
80	371	-
88	> 400	-
90	-	369

* on distillate from lab distillation

On the distillation our recovery was 88%. At this point the distillate became dark. Towards the end of the distillation copious amounts of strong acid fumes were given off. The residue in the flask was hard and brittle.

It is my recommendation that we do not try to reclaim this material based on its apparent breakdown during distillation.

WWK:kd

W. W. Klemme

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