

KE
0306450

drawn off the chloroform layer, with the last ml. added measures a
shaking each time and allowing the phases to separate cleanly before
add to the sample dilutions solution in 1 ml. portions.

(1 c.c. 0.005 mg. "X")

standardized purified solution of diphenyl ethyl carbazone (dichlorone)
The separation of "X" is affected by extraction with a

separation of "X"

limits mentioned.

ph. 7.5 - 8.0. It is imperative that the solution be between the
yellow. Add conc. H_2SO_4 dropwise until the solution is just pink,
 H_2SO_4 and agitate the funnel again. The indicator color is still
from red to a distinct yellow. Add 2 ml. of 10% KOH, 5 ml. of 6%
 H_2SO_4 dropwise with agitation of the funnel until the indicator changes
funnel add 2 drops phenol red indicator. The color is red. Add conc.
the dish color with a little distilled water. To the contents of the

Determination of Sample

Weigh 5 grams of sample into a 250 ml. titration dish which
has been previously washed with hot 5% HNO_3 , followed by hot dis-
tilled water. Heat gently over a burner to the boiling point. As
the flash point, ignite the vapor and allow to burn quietly until
the flame subsides. Place in water at 50°C to remove most of the
carbon. Remove from water, and when cool, treat the dish with 5
ml. water followed by 5 ml. of conc. HNO_3 . Wash with distilled
water and place in water at 50°C just long enough to produce a white

$(A - B) \times .005 = \text{mg. "x" in sample}$
 $200 \times \text{mg. "x" in 5 gm. sample} = \text{p.p.m.}$
 $\text{p.p.m.} \times .007 = \text{grains / lb.}$
tolerance limit "x" 0.018 grains/lb.
2.6 p.p.m.