Wood Treating

FROM (LOCATION) : G. B. MILLS, WTCC

CC: R. M. MORRISS, JR.
D. R. DILL
R. F. SIMMONS
R. E. STUTZ

DATE : APRIL 13, 1970

SUBJECT : ANALYSIS OF DEFECTIVE LOT OF LIQUID NOXTANE 120

REFERENCE : D. R. DILL REQUEST OF 4-7-70

TO : DR. EDWARD M. EMERY, JFQ
DR. ROBERT E. KELLER, JFQ
MR. H. J. HORNER, WGK

IT IS REQUESTED THAT ANALYSES BE PERFORMED FOR QUANTITATIVE DETERMINATIONS OF PENTA 60, BORON, AND MERCURY ON THE SUBMITTED SAMPLE OF LIQUID NOXTANE 120.

IT WOULD BE HELPFUL IF QUANTITATIVE DETERMINATIONS COULD ALSO BE MADE FOR ETHYLENE GLYCOL, ISOPROPYL ALCOHOL, AND DIETHYLENE GLYCOL MONOMETHYL ETHER IN THE SAMPLE.

A CONTROL SAMPLE IS ALSO SUBMITTED. THIS HAS THE COMPOSITION ON A WEIGHT PERCENT BASIS OF:

DIETHYLENE GLYCOL MONOMETHYL ETHER	3.44 %
PHENYL MERCURIC LACTATE	1.30
SODIUM HYDROXIDE	7.47
SODIUM TETRABORATE DECAHYDRATE	11.43
PENTA 60	27.60
ETHYLENE GLYCOL	12.11
ISOPROPYL ALCOHOL	5.45
WATER	31.20
TOTALS	100.00

THE EQUIVALENT PERCENT OF MERCURY AS METAL IS 0.209, AND FOR BORON IS 1.296

WE WILL APPRECIATE IT IF YOU CAN EXPEDITE THE TESTING AS CIRCUMSTANCES HAVE PUT US IN SOMEWHAT OF A BIND PRODUCTION-WISE.

MANY THANKS,

G. B. MILLS

DSW 298847

STLCOPCB4068761

H2O $\frac{291.99}{31.20} = \frac{303.44}{X}$ = 32.4% (31.20)

Alc. $\frac{27.182}{5.45} = \frac{27.683}{X}$ = 5.55% (5.45)

EG. $\frac{6.337}{12.11} = \frac{8.716}{X}$ = 16.66% (12.11)

Ether $\frac{12.145}{3.44} = \frac{10.970}{X}$ = 3.11% (3.44)

D.M
4-45'34

DSW 298848