WORK REQUEST

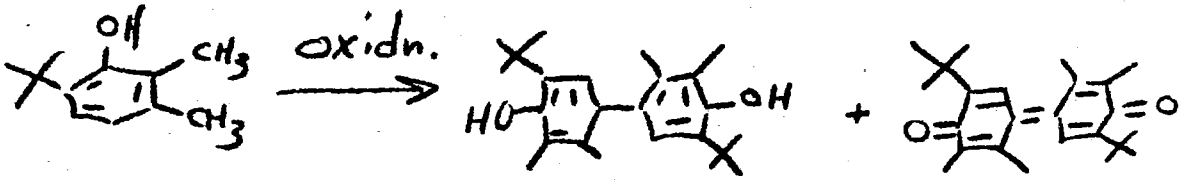
TO R. Raley

APPLIED SCIENCES
RESEARCH CENTER LABORATORIES
MONSANTO INDUSTRIAL CHEMICALS CO.

WORK REQUESTED

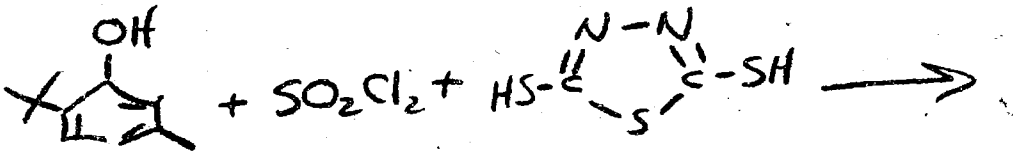
Solids probe M.S. on 3 samples.

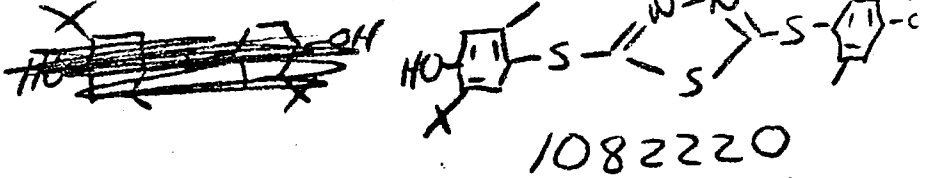
Samples are reaction products:



1082217
mw 354

1082217Q
mw 352





1082220
mw = 474

REASON/COMMENTS

SAMPLE IDENTIFICATION

I would like to confirm that these are the products

DSW 298025

Rich Hurich
REQUESTER

BLDG. Q LAB./OFFICE Q209

MAIL ZONE Q2C

PHONE NUMBER 4-4824

PRODUCT Exploratory Antioxidant

BUSINESS GROUP Plast. R+D.

DATE SUBMITTED 7-19-76

DATE NEEDED BY 7-29-76

JOB NUMBER 47-000-760.71-04-762-17

SAMPLE DISPOSAL ☐ RETURN ☐ DISCARD

R-108 REV. 7-72

(SUBMIT WHITE, YELLOW AND GREEN COPIES)

STLCOPCB4067936

REPORT SHEET

1082217 — Molecular weight found to be 354 by solids probe mass spec. This agrees with predicted structure. Fragmentation pattern (loss of methyl group and peak corresponding to t-butyl group) is consistent with proposed structure.

1082217 Q — Appears to be mixture of 1082217 (above) and proposed oxidized form, MW = 352. Fragmentation pattern is consistent with this conclusion.

1082220 — Molecular weight found to be 374 which agrees with proposed structure. Fragmentation pattern (loss of methyl, loss of water, et al.) also consistent with proposed structure

DSW 298026

GC/MS # 76-156

SIGNATURE	DATE	NOTE BOOK
Brent N. Kelly, II	7/22/76	

STLCOPCB4067937