

INTEROFFICE MEMORANDUM

Date: 11-Sep-1987 12:00pm  
From: R. H. Goldbaum  
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TO: Gerald C. Culling ( CULLINGC )  
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TO: Edward J. Greenwood ( GREENWEJ )  
TO: Thomas W. Del Pesco ( DELPESTW )  
  
CC: William D. Hill ( HILLWD )

Subject: ZPELS FOR PAPER USE

THE RESULTS FOR THE EXTRACTIONS ARE SHOWN BELOW:

GENERAL:

1. EXTRACTIONS WERE DONE WITH WATER AT 150 F FOR 2 HRS--THIS IS SPECIFIED AS CONDITIONS FOR HOT FILLED OR PASTEURIZED FOODS IN THE CFR.
2. LOADINGS ARE ALL AT .12 POUNDS OF ZONYL RP EQUIVALENT PER MSF
3. ALL NUMBERS ARE STANDARDIZED TO AN EXTRACTION RATIO OF 10 ML PER SQ IN. THIS IS IN LINE WITH HOW DATA WAS HANDLED FOR RP IN THE 1960'S.

RESULTS

PRODUCT	PPM PRODUCT(EXPRESSED AS RP) EXTRACTED AT A RATIO OF 10 ML/SQ IN
1. FX-810	.01
2. ZEPER 6700	.09
3. ZEPER 7040	.09
4. ZONYL RP	.62

THESE INITIAL RESULTS ARE ENCOURAGING SINCE THE POLYMERS APPEAR TO HAVE MUCH LESS EXTRACTABILILTY THAN RP, WITH FX-810 THE BEST. THE RESULT FOR FX-810 INDICATES THAT 3M MAY NOT HAVE NEEDED TO GO THROUGH EXTENSIVE TESTING FOR QUALIFICATION OF THE PRODUCT.