



PACKAGING LABORATORY

Active Pack International

Fax: 086357723

25/7 /2002

Sir,

Re: **BIO-FRESH films which are intended to come in contact with foods.**  
**manufactured by "Grofit" -tests accordini! to FDA**

**Description of samples:** BIO-FRESH films, manufactured by "Grofit". The samples were selected and delivered to the Packaging by the client.

**Purpose of tests:** To test the suitability of the plastic films to come in contact with foods according to Code of Federal Regulations 21, FDA.

**Method of tests:**

The tests were done according to Code of Federal Regulations 21 & 177.1520: olefin polymers. The tests performed included:

- A. **Maximum extractable fraction in n-hexane:** a preweighed sample was extracted with hexane at 50°C for 2 hours, filtered and the filtrate was evaporated. The residue was weighed and calculated as a measure of the solvent extractable fraction.
- B. **Maximum soluble fraction in xylene:** the polymer was dissolved completely in xylene at 120°C. The solution was allowed to cool without stirring whereupon the insoluble portion precipitated and was filtered off, and the total content of the solids was determined as a measure of the soluble fraction.

**RESULTS**

**Results refer to the samples tested only.**

The results reported are an average of at least 3 replicates for each test .

Maximum extractable  
fraction\* in n-hexane at SOoC  
Tested Allowed  
1.8 5.5

**Maximum extractable fraction\***  
**in xylene at 25°C**  
**Tested Allowed**  
3.5 - 11.3

\* expressed as percent by weight of polymer

Based on above tests, plastic film BIO-FRESH "may be safely used as articles or components of articles intended for use in contact with foods except *for* articles used *for* packing or holding food during cooking".

Sincerely Yours

Nehama Passy  
Engineer

Prof. I. Miltz  
Head of laboratory

