

# Microbac

® **Microbac Laboratories**

CORONA DIVISION  
280 N SMITH AVE  
CORONA CA 92880

FDA REG. #2030513  
LA CITY #10159  
DHS #2122

SAMSUNG TOTAL PETRO CHEMICALS CO. LTD  
HONG SIK KO/STEVE R CORNELL  
411-1 DOKDOG-RI DAESAN-UP  
SEOSAN-SI CHUNGNAM KOREA

Date Reported: 05/11/2006  
Date Received: 04/13/2006  
Order Number: 0604-00353  
Invoice Number: 31764  
Customer: E049

## CERTIFICATE OF ANALYSIS

**SUBJECT:**

HJ730 POLYPROPYLENE (HOMO)

**ANALYSIS REQUESTED:**

A Polypropylene sample was submitted for an extraction study in accordance with 21 CFR 177.1520.

**TESTING RESULTS:**

Sample	Hexane Results (%)	Hexane Limit (%)	Xylene Results (%)	Xylene Limit (%)	Method of Analysis
HJ730	0.86	6.4	0.50	9.8	21-CFR 177.1520

**ANALYSIS COMPLETED:**

Testing was conducted from April 13, 2006 – May 11, 2006.

**RESULTS AND DISCUSSION:**

Extraction studies were performed on the submitted samples in accordance with 21 CFR 177.1520. Each sample was prepared by taking a weight of sample to the extraction apparatus. The following solvents were used.

Hexane held at 50 degrees C for two hours.

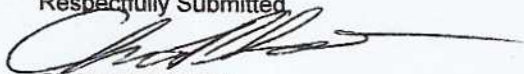
Xylene held at 120 degrees C until dissolved. Cool 1 hour in the air and hold 1 hour at 25 degrees C.

The results in the above table shows the base resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520(a)(1)(i) and (c) 1.1a. The adjuvants meet their respective FDA regulation and 21 CFR 177.1520(b). In summary, this resin meets the FDA criteria covering safe use of polyolefin articles and components of articles intended for food contact use.

The above analyses were performed by a California State Certified Lab, as well as an FDA Registered Laboratory.

If you have any questions regarding these results or if you require additional information, please feel free to contact me.

Respectfully Submitted

  
Christopher Solan  
Managing Director  
Microbac Laboratories  
Corona Division