



# Test Report

Report No.: 100119075-1  
Project No.: 11190021.1  
Date: March 15, 2016  
Trace Code: A16.0138

**Client:** K.P. Tech Co., Ltd.  
37, Simigok-ro, Idong-myeon  
Cheoin-gu, Yongin-si  
Gyeonggi-do, Korea 17130

**Attention:** Baik Jong Doo

**Authorization:** Check Number 1019

**Samples Received:** (03/03/2016)

➤ PET Rigid Sheet

**Analysis Requested:**

Extraction studies done in accordance with FDA 21 CFR §177.1630 (f) and (g), Polyethylene Phthalate Polymers

**Analysis Performed On:** March 7, 2016 through March 10, 2016

**Results and Discussion:**

The submitted samples were analyzed in accordance with FDA 21 CFR §177.1630 (f) and (g). The samples were prepared by cutting into 2.5-inch squares. The pieces were then placed between stainless steel screens and secured with stainless steel wire. The surface area tested was 100 square inches. The packages were then extracted with 250 mL of solvent. The following conditions were employed:

1. Purified water at 250°F for two hours\*
2. Heptane at 150°F for two hours
3. 50% Alcohol at 120°F for twenty-four hours

\*Pressure cooker was used to reach this temperature

The results of this analysis are found on the attached table.

***The submitted samples, PET Rigid Sheet, meets the specifications for FDA 21 CFR §177.1630 (f) and (g), Polyethylene Phthalate Polymers, in contact with aqueous, fatty and alcoholic foods.***

Please contact us if you have any questions regarding these results or if you require additional information.

Judith V. Haber  
Consumer Manager  
Analytical Chemistry

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 J. S. Chem International Co. on behalf of K.P. Tech Co., Ltd.

TEST RESULTS FDA 21 CFR 177.1630 (f) and (g) Sample ID: PET Rigid Sheet				
Solvent	Residue (mg/in <sup>2</sup> )	Chloroform Residue (mg/in <sup>2</sup> )	Criteria (mg/in <sup>2</sup> )	Pass/Fail
Purified Water A	0.02	N/A	0.5	Pass
Purified Water B	0.00	N/A	0.5	Pass
Purified Water C	0.01	N/A	0.5	Pass
Purified Water D	0.01	N/A	0.5	Pass
Heptane A	0.01	N/A	0.5	Pass
Heptane B	0.02	N/A	0.5	Pass
Heptane C	0.01	N/A	0.5	Pass
Heptane D	0.00	N/A	0.5	Pass
Alcohol A	0.01	N/A	0.5	Pass
Alcohol B	0.02	N/A	0.5	Pass
Alcohol C	0.01	N/A	0.5	Pass
Alcohol D	0.01	N/A	0.5	Pass

\*\*\*\*\*End of Report\*\*\*\*\*

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