

#### PEOPLE > SCIENCE > SOLUTIONS

# REVISED REPORT

Test Facility 9 Morgan Irvine, CA 92618 949.951.3110

#### STUDY TITLE

Determination of the Physicochemical Attributes of a Polymeric Material per USP <661> Containers - Plastics, Physicochemical Tests

#### **TEST ARTICLE NAME**

PET rigid sheet

## TEST ARTICLE IDENTIFICATION

PET rigid sheet

### TEST ARTICLE PHYSICAL DESCRIPTION

PET rigid sheet

## **TEST ARTICLE RECEIVED**

March 3, 2016

#### SPONSOR Baik Jong

Baik Jong Doo K. P. Tech Co., Ltd. 37, Simigok-ro Idong-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, 17130 Korea

#### **PURPOSE**

The purpose of this study was to describe the physicochemical attributes as part of the overall characterization of the test article.

#### **RESULTS**

|                      | Assay Results | Limits Based on Area |
|----------------------|---------------|----------------------|
| Non-Volatile Residue | < 1 mg        | ≤15 mg               |
| Residue on Ignition  | < 1 mg*       | ≤5 mg                |
| Heavy Metals         | < 1 ppm       | ≤1 ppm               |
| Buffering Capacity   | < 1 mL        | ≤10.0 mL             |

<sup>\*</sup>Based on non-volatile residue results

| Condition of Extracts |                     |  |
|-----------------------|---------------------|--|
| Test Article          | Clear and colorless |  |
| Control Blank         | Clear and colorless |  |

Date Extract Prepared: March 10, 2016

Date Test Concluded: March 14, 2016

## CONCLUSION

The test article met the USP limits for USP <661> Containers - Plastics, Physicochemical Tests.

No significant extractables originated from the test article.

#### **METHOD**

A 600 cm<sup>2</sup> portion of the test article was rinsed twice with a sufficient volume of purified water to cover the test article, and then extracted at 70°C for 24 hours in 100 mL of purified water. A control blank of purified water was similarly prepared without the test article. Non-volatile residue, residue on ignition, heavy metals, and buffering capacity were determined on the test article extract as outlined in the current USP. The non-volatile residue testing utilized a 50.0 mL portion of the test article extract.

P.O. No.: CHECK# 1020 Lab Number: 16C\_29088\_02

C0019\_000 Revised page Page 1 of 2



PEOPLE > SCIENCE > SOLUTIONS

**Test Facility** 9 Morgan Irvine, CA 92618 949.951.3110

#### COMMENT

This report has been revised to correct the sponsor name, company name and address. The conclusions were not affected. This report was originally signed by Angela V. Booth on March 17, 2016.

#### REFERENCES

United States Pharmacopeia 38, National Formulary 33 (USP), General Chapter <231>, Heavy Metals (2015).

United States Pharmacopeia 38, National Formulary 33 (USP), General Chapter <281>, Residue on Ignition (2015).

United States Pharmacopeia 38, National Formulary 33 (USP), General Chapter <661>, Containers - Plastics (2015).

Approval Angela V Booth Angela V. Booth, BS, MBA

*4-15-16*Date

Laboratory Operations Manager, Analytical Services

Results and conclusions apply only to the test article tested. Any extrapolation of these data to other articles is the sponsor's responsibility. This test was performed under an ISO 13485:2003 certified Quality System, with the test method accredited to the ISO 17025:2005 Standard.