

February 5, 2018

Customer: Ad n Art

Subject: Certification of Polymer Material

To whom it may concern,

In response to certify the composition of the Samba Shaker bottles, (see **Figure 1**) manufactured from Eastman Tritan™ Copolyester, we are providing the infrared spectra and Differential Scanning Calorimetry (DSC) curves. The clear bottle portion of the samples were analyzed for polymer identification. The samples are differentiated by the labeling on the boxes with regards to color of the handles.

The IR spectra of Tritan™ Copolyester and the test samples provided were obtained using a Nicolet 6700 FTIR spectrometer with a silicon crystal attenuated total reflectance accessory. The spectra was normalized and baseline-corrected for comparison. The clear bottle portion of the samples provided are consistent with the IR spectrum of a Tritan™ Copolyester reference (see **Figure 2**).

The DSC curves provided are consistent with Tritan™ grade TX1001 (see **Figures 3-7**). The DSC test method to measure the glass transition temperature used the following conditions: 2nd heating @ 20°C/min; in N₂, Instrument: DSC Q2000.

The analytical data concludes that the clear bottle portion of the Samba Shakers provided were manufactured from Eastman Tritan™ Copolyester.

There may be differences between these results provided by Eastman and those obtained from outside testing due to slightly different equipment and techniques; however, the relative difference between Tritan™ and other polymers should be comparable when measured on the same equipment, the same sampling technique, and the same analysis conditions.

This information embodied in this letter is strictly confidential and is supplied on the understanding that this information will be held in confidentiality and not disclosed to third parties without the prior written consent of Eastman Chemical Company.

Sincerely,



Wes Peer

Eastman Chemical Company | Durables and Medical, Applications Development
137 Regional Park Drive | Kingsport, TN 37660
Phone: 423-229-8339 | Email: jpeer@eastman.com



Figure 1. Samba Shaker bottles in original packaging

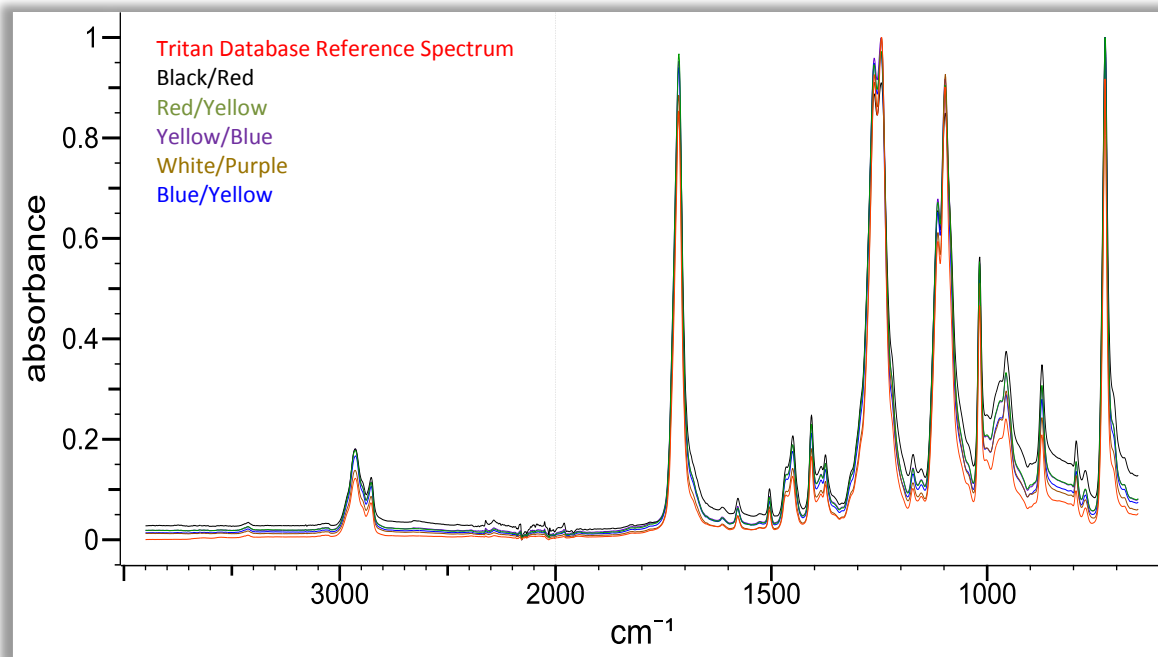


Figure 2. IR Spectra

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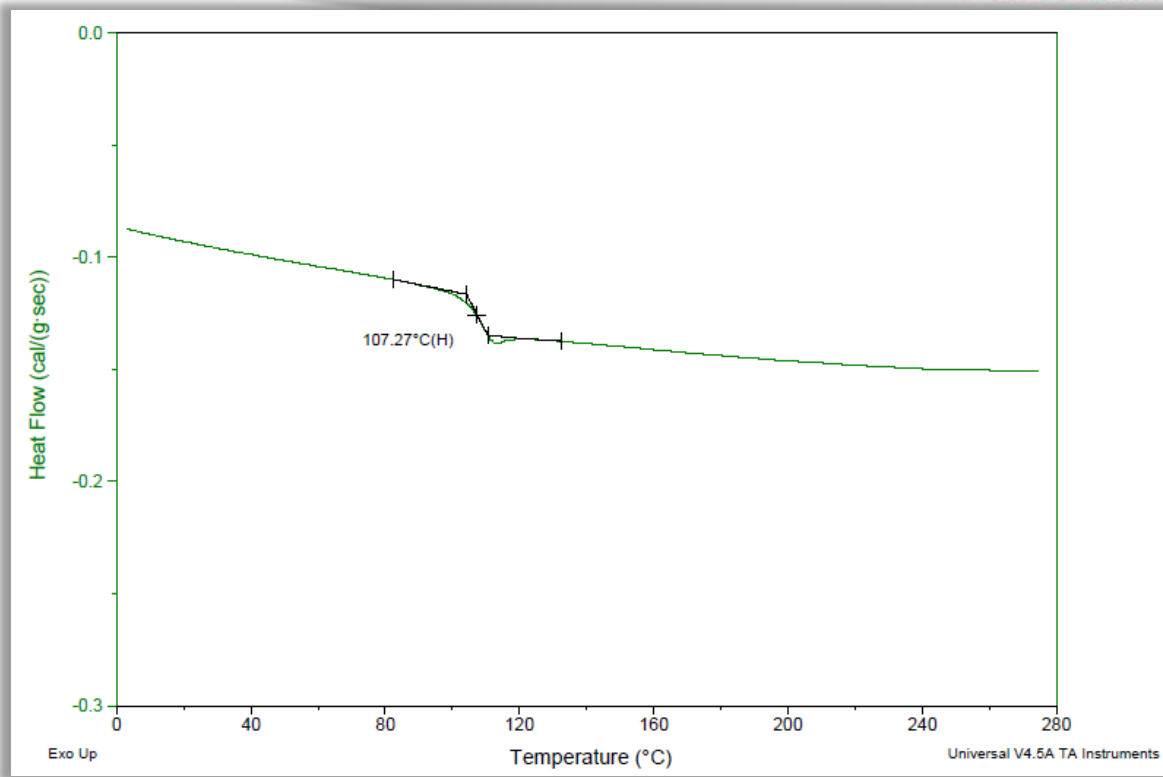


Figure 3. DSC for Black/Red sample

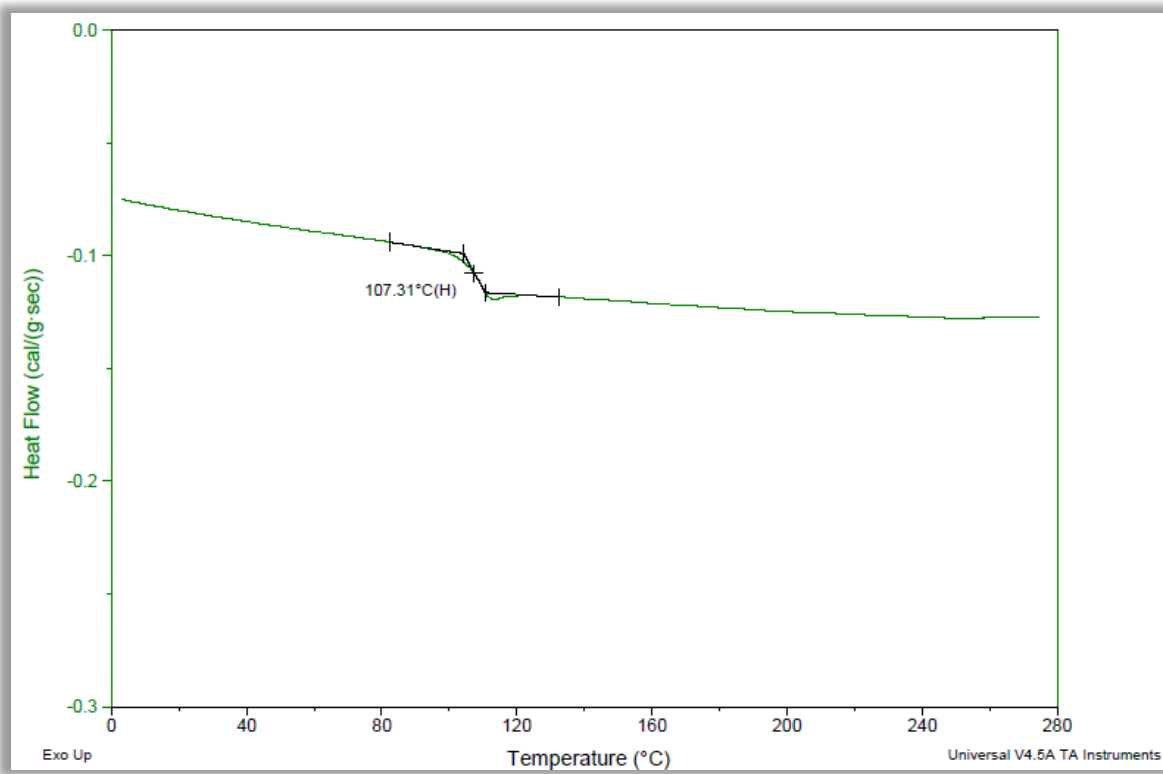


Figure 4. DSC for Red/Yellow sample

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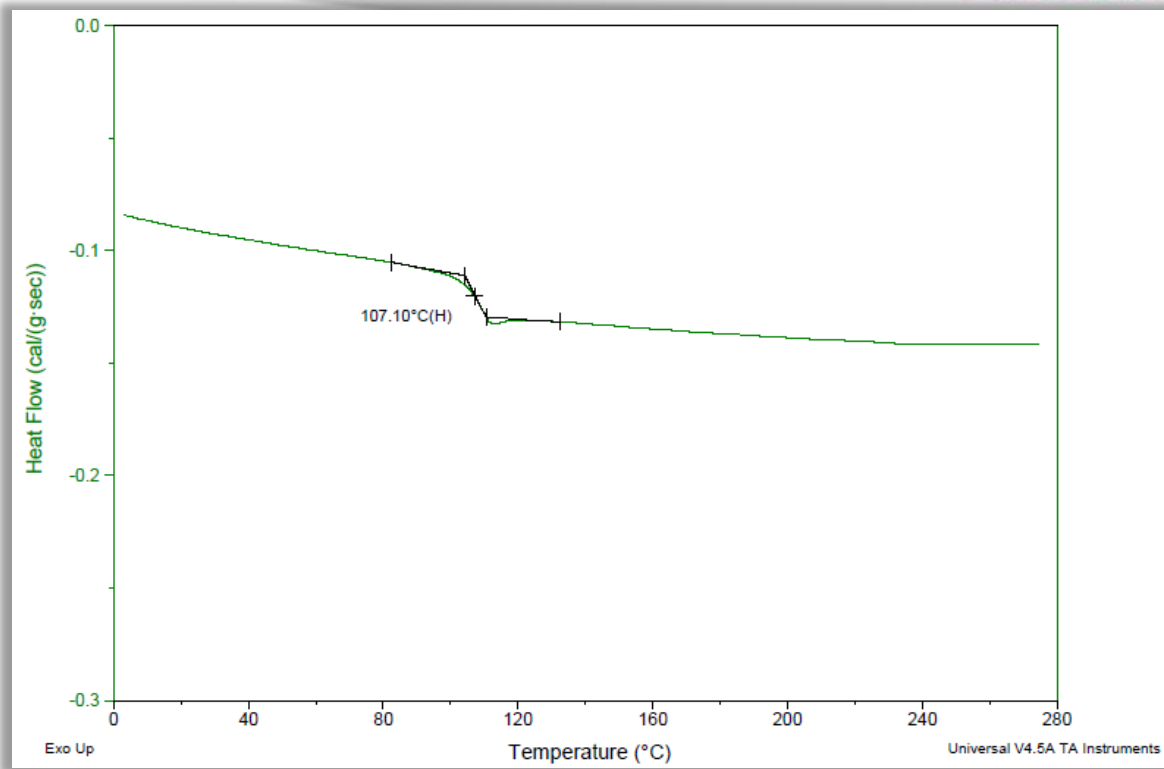


Figure 5. DSC for Yellow/Blue sample

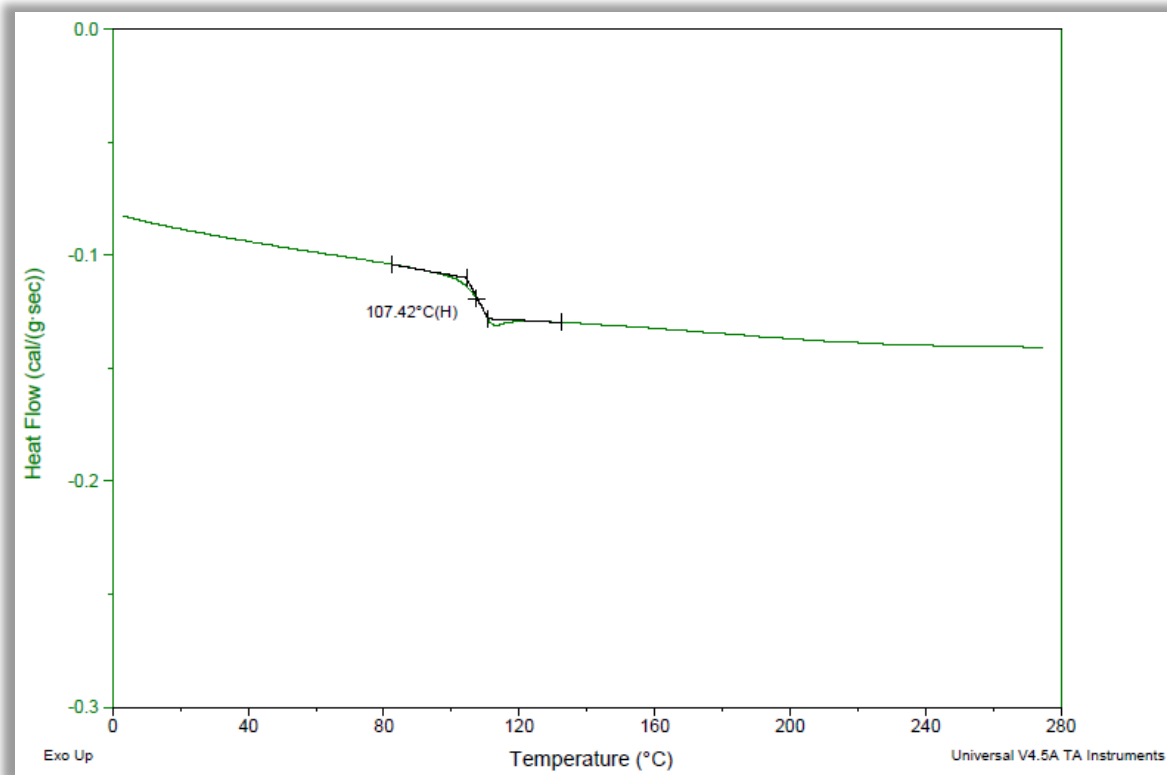


Figure 6. DSC for White/Purple sample

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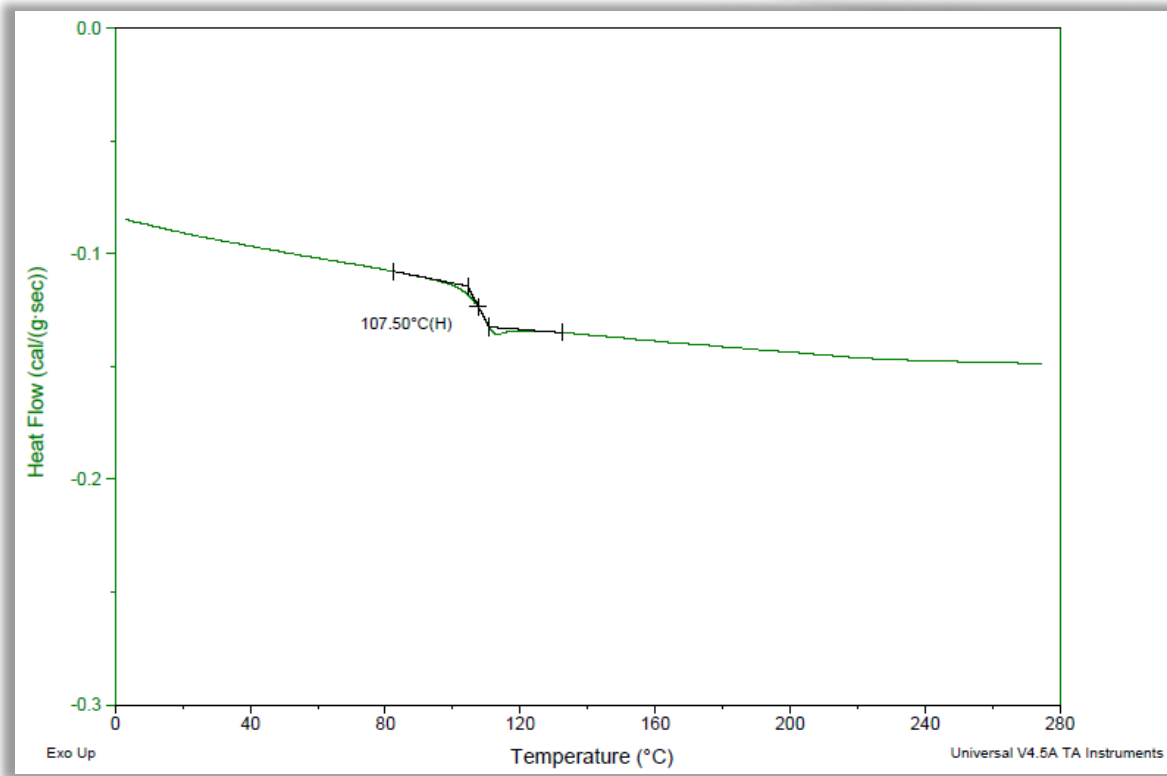


Figure 7. DSC for Blue/Yellow sample