



**GOVERNO DO ESTADO DE SÃO PAULO**  
**SECRETARIA DE AGRICULTURA E ABASTECIMENTO**  
**AGÊNCIA PAULISTA DE TECNOLOGIA DOS AGRONEGÓCIOS**  
**INSTITUTO DE TECNOLOGIA DE ALIMENTOS**

**Statement**

CETEA 5321/15

The low density polyethylene resin, identified by the interested party as “**BC818**”, which is manufactured by Braskem S.A., at III Pólo Petroquímico – Via Oeste – Lote 5 Passo Raso – Triunfo – Rio Grande do Sul, has been assessed regarding the physicochemical tests (buffering capacity, nonvolatile residue and residue on ignition and lead) and identification by infrared spectroscopy and thermal analysis (DSC), based on the requirements established by **United States Pharmacopeia (USP 38)** published in the Chapter <661> Containers – Plastics - Physicochemical Tests and **Brazilian Pharmacopeia 5<sup>th</sup> edition**, Chapter 6.2 - Plastics Packaging. The lead content was quantified by inductively coupled plasma optical emission spectrometry (ICP OES). This test was conducted in replacement to the heavy metal test established by American and Brazilian Pharmacopeias. The results are described in **Test Report CETEA 12.247/15** from **November 12<sup>th</sup>, 2015**, elaborated for Braskem S.A.

Based on the achieved results, as far as the buffering capacity, nonvolatile residue and heavy metal (lead) tests are concerned, the analyzed sample is in accordance to the requirements established in the Chapter <661> Containers – Plastics - Physicochemical Tests of the **United States Pharmacopeia (USP 38)** and **Brazilian Pharmacopeia 5<sup>th</sup> edition**, Chapter 6.2 - Plastics Packaging.

The identification of the resin by infrared spectroscopy and thermal analysis (DSC) confirmed the sample as low density polyethylene.

In case there is any doubt, the original texts of the Test Report RE 12.247/15 and Statement 5199/15 prevail.

Campinas, November 12<sup>th</sup>, 2015.

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