



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

Statement

CETEA 3629/11

The polypropylene resin, identified by the interested party as "**H 503**", 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 33)** published in the Chapter <661> Containers – Plastics - Physicochemical Tests and **Brazilian Pharmacopeia 5ª edition**, Chapter 6.2 - Plastics Packaging. The lead content was quantified by atomic emission spectrometry induced by plasma. 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 12.051/11 from August 31st, 2011, 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 Polypropylene resin, identified as "**H 503**", is in accordance to the requirements established in the Chapter <661> Containers – Plastics - Physicochemical Tests of the **United States Pharmacopeia (USP 33)** and **Brazilian Pharmacopeia 5ª edition**, Chapter 6.2 - Plastics Packaging.

The identification of the resin **H 503** by infrared spectroscopy and thermal analysis (DSC) confirmed the sample as polypropylene.

In case there is any doubt, the Portuguese version of the Test Report RE 12.051/11 prevails.

Campinas, August 31st, 2011.

Paulo Henrique M. Kiyataka
Researcher

Sílvia Tondella Dantas
Manager - Metallic
and Glass Packages

Tradução



CENTRO DE PESQUISA E DESENVOLVIMENTO DE EMBALAGENS
(CENTRO DE TECNOLOGIA DE EMBALAGEM)
Av. Brasil, 2880 • CEP 13.070-178 • Campinas/SP • Brasil
Tel. 19 3743-1900 • Fax 19 3241-8445
<http://www.cetea.ital.sp.gov.br>

