



BSE / TSE Statement

VWR* SPECIMEN CONTAINER

This document certifies that the below product meet the following criteria:

North American Catalog N°:	15704-085
Description:	VWR CONTAINER SPEC 4.5OZ CS100
Cuntry of Origin:	China
Resin:	HP500N
Sterile : No	Free of natural rubber latex

Tallow

Tallow derived additives may be used in the manufacture of this product.

Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)/ Mad Cow :

The concerns relative to BSE/TSE in the context of plastics materials used in contact with food are linked to the use of additives of animal origin: tallow derivatives. These products (fatty acids, fatty alcohols, metallic soaps, fatty amines, fatty amides, fatty acid esters, glycerine) are incorporated into plastics as lubricants, slip agents, anti-static agents as well as emulsifiers, anti-oxidants or corrosion inhibitors. They are primarily extracted from tissues of ovine or bovine origin. The tallow derivatives used for the production of our plastics materials undergo a series of severe process steps during manufacture.

- Normally, pre-treatment of tallow and/or animal fat with strong acids
- Hydrolytic cleavage at temperatures above 200 C, under pressure, for more than 20 minutes, yielding glycerine and fatty acids
- Transesterification of the fatty acids with methanol at temperatures above 200 C, under pressure, for more than 20 minutes, yielding fatty acid methyl ester
- Reduction of fatty acid methyl esters with hydrogen at temperatures above 200 C, under high pressure, for more than 20 minutes, yielding fatty alcohols
- According to the revised opinion of the EU Scientific Steering Committee on the Safety of Tallow (June 2001) and the recommendation for inactivation of TSE included (among others) in the Commission Directive 2000/6/EC, in the updated report of APAG of April 2001 and also in the Regulation (EC) N.1774/2002, the above-mentioned treatments do ensure a complete inactivation of any TSE/BSE agent regardless of the source and type of material. The additional exposure of the plastic materials to temperatures reanging from 150 to 300 c during 30 seconds up to several minutes at the compounding and final conversion process represents an additional safety factor.

Signed:

Ken Crossley
Manager
Quality Assurance

Date: April 11, 2013