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Approved by A. S.

FDA Clearance Bulletin

Product

Permacolor® PermaGard™ Shield - Antimicrobial film – PGS6400 Permanent

Film- individually

Code of Federal Regulations - Title 21 Food and Drugs 177.1520(c) Olefin Polymers and 176.170(c) Components of Paper and Paperboard in contact with aqueous and fatty foods

The ingredients used to manufacture the film portion of the above-mentioned product comply with one or more of the FDA regulations for materials that come into contact with food except for articles used for packing or holding food during cooking. Specifically, the polyolefin content complies with FDA regulation 21 CFR 177.1520(c) and can be used with all food types under conditions of use C–H as described in Table 2 of 21 CFR 176.170(c)

Adhesive- individually

Code of Federal Regulations - Title 21: Food and Drugs 175.105 – Adhesives

Under 21CFR 175.105, the FDA allows the use of adhesives as components of articles intended for use in packaging, transporting, or holding food in accordance with the following prescribed conditions:

- 1) *The adhesive is prepared from one or more of the optional substances listed under 175.105, subject to any prescribed limitations.*
- 2) *The adhesive is either separated from the food by a functional barrier or used subject to the following additional limitations:*
 - i) *In dry foods. The quantity of the adhesive that contacts packaged dry food shall not exceed the limits of good manufacturing practice.*
 - ii) *In fatty and aqueous foods. (a) The quantity of the adhesive that contacts the packaged fatty and aqueous foods shall not exceed the trace amount at seams and at the edge exposure between packaging laminates that may occur within the limits of good manufacturing practice. (b) Under normal conditions of use the packaging seams or laminates will remain firmly bonded without visible separation.*

Mactac assumes that the user will meet the functional barrier criterion. This certification is based on information provided by the vendor and is offered in good faith.

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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