



Certificate

Food regulatory assessment of the buffer solution "PLT Fountain – Buffer"

Client: Dr. Lischka GmbH
Marktplatz 27
A – 4193 Reichental

Order No.: PA/4359/10

Sample: "PLT Fountain – Buffer", buffer solution

The buffer solution "PLT Fountain – Buffer" is used in cardboard printing machines to adjust the intended pH value. Prior to application, the solution is diluted to a 1 – 4 % aqueous solution.

The food regulatory assessment of a possible transfer of buffer components onto the printed cardboard is evaluated on basis of the product formulation (EC Safety Data Sheet for the "PLT Fountain – Buffer", Version 1.0.0/D; date: 27.11.2009), further customer information concerning the use of a water softener and theoretical considerations concerning the maximum possible transfer of components („worst case" assumption) for the 4 % "PLT Fountain – Buffer" solution. According to the customer's statement, under practical application conditions 16 L of the 4 % solution are used per 100 000 cardboard sheets of 1 m² area (Fraunhofer IVV test report PA/4359/10, dated 28.9.2010).

Under the given application conditions, the components of the buffer solution "PLT Fountain – Buffer" are in compliance with the EU Plastics Directive 2002/72/EC (last amendment by Regulation (EC) No. 975/2009) and the German Bedarfsgegenständeverordnung (last amendment 3.8.2010) and the Recommendation No. XXXVI for paper and cardboards for food contact application (date: 01.06.2009) of the German Federal Institute of Risk Assessment (BfR), respectively.

Under the application and dilution conditions specified by the client, the maximum transfer of components from the correctly diluted "PLT Fountain – Buffer" solution onto the produced cardboards is in compliance with the safety requirements of Article 3 of the EU Framework Regulation (EC) No. 1935/2004.

Fraunhofer Institute
Product Engineering
and Packaging

Dr. Diana Kemmer
(Dep. Head of Migration Laboratory)

Freising, 14.12.2010

Dr. Ingrid Walz
(Food Chemist)