



31 July 2008

SIGG Switzerland AG
Walzmühlenstrasse 62
CH-8501 Frauenfeld

Your Reference:

14.04.2008 / UZ

Our Reference:

2008L16753

Examination of SIGG Liner

You appointed us in the letter dated 14th April 2008 to analyse and to assess the liner with respect to current food legislation. Additionally the composition of the liner and bottles should be verified with special focus of absence of Bisphenol A and F as well as BADGE, BFDGE und NOGE.

Product data:

Sample: Sigg Bottles, coated with liner

Intended use: In accordance with your data the product is used as a liner for all aqueous, acidic and alcoholic beverages

Documents: Detailed composition (formulation) of liner

Assessment

General Composition

The Screening of the submitted composition showed clearly, that either BADGE, BFDGE, NOGE and Bisphenol A and F nor Phthalates are used. Further more no substances are used, which might have a possibly carcinogenic, mutagenic or teratogenic potential.

The performed analysis confirms the composition data.

General Assessment

Due to the evaluation based on the submitted documents (compositions) and the subsequent derived composition the product fulfils the requirements of the regulation (EC) 1935/2004 provided its intended use. Under the normal and foreseeable use conditions the product specified above can be considered as safe to human health.

The liner complies with the requirements of the § 31 of the German LFGB and § 33 of the CH LGV and is eligible for the manufacture of commodities.

Furthermore the liner is in compliance with the requirements of the CFR 21 § 175.300 of the US FDA regulations as well as with Japanese Food Sanitation Law.

This report exclusively refers to the analyzed samples. In the case of a change of the raw materials, the raw material composition of the product, the legal regulations or new toxicological realizations this evaluation loses its validity.

In summary, the values are going clearly below the limits of EC, USA and Japan.

References:



- CH Food Contact Regulation of 23.11.2005, version 01.04.2008
- Commission Directive 2008/39/EC of 06 March 2008
- CH Chemical Risk Reduction Regulation of 18.05.2005, version 01.03.2008
- Framework Resolution ResAP(2004)2 on Coatings intended to come into contact with foodstuffs, adopted by the Committee of Ministers on 29th January 2008
- Commission Directive 2005/84/EC of 14.12. 2005
- Commission Regulation (EC) No. 1895/2005 of 18.11.2005
- EN 71-3:2005
- Synoptic Document (2005.07.25), updated June 2005
- Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of 27 October 2004
- DIN EN 14350-2:2004
- Commission Directive 2002/72/EC of 06.08.2002
- Commission Directive 97/48/EC of 29.07.1997
- Commission Directive 85/572/EEC of 19.12.1985
- FDA 21 CFR Parts 170ff – actual version
- CONEG, 1989 (Toxics in Packaging)
- Japan Food Sanitation Law Nr 233, – actual version
- LFGB - German Code of Law for Food and Feeds – actual version
- CH-LGV - Food and commodities Regulation – actual version

Dietikon, 31 July 2008

SQTS - SWISS QUALITY TESTING SERVICES

Dr. Thomas Gude
Head Food/Non-Food Division

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