Akzo Nobel
Packaging Coatings GmbH
Düsseldorfer Str. 96-100

40721 Hilden

Project No. : 9 4 0 5 3 0 3
Date : 4.09.2014
Our Code : WJ / GM

T E S T R E P O R T

Translation of our test report 9405302 of August 28, 2014

Examination of : Protection Lacquer Gold
Coding : 520.004 (20-4448/HE 1690)

sample reception : 02.05.2014
number of samples : 1

Reference : May 8, 2014, Mr Gerhard Dubke

Field of application : internal coating for deep drawn food cans in contact with all kind of foodstuff including milk and dairy products to be sterilised

TESTING RESULTS

Specific migration

BADGE, reaction products
method ME342
3 % acetic acid 1 h 130 °C + 10 d 60 °C

BADGE	:	not detectable (<0.001 mg/dm²)
BADGE.H2O	:	not detectable (<0.001 mg/dm²)
BADGE.2H2O	:	not detectable (<0.001 mg/dm²)
BADGE.HCl.H2O	:	not detectable (<0.001 mg/dm²)
BADGE.HCl	:	not detectable (<0.001 mg/dm²)
BADGE.2HCl	:	not detectable (<0.001 mg/dm²)
BFDGE	:	not detectable (<0.001 mg/dm²)
BFDGE.H2O	:	not detectable (<0.001 mg/dm²)
BFDGE.2H2O	:	not detectable (<0.001 mg/dm²)
BFDGE.HCl.H2O	:	not detectable (<0.001 mg/dm²)
BFDGE.HCl	:	not detectable (<0.001 mg/dm²)
BFDGE.2HCl	:	not detectable (<0.001 mg/dm²)
Bisphenol A	:	not detectable (<0.001 mg/dm²)

INSTITUT NEHRING GmbH info@institut-nehring.de | www.institut-nehring.de
Heesfeld 17
D-38112 Braunschweig
fon +49 (0) 531.238 99-0
fax +49 (0) 531.238 99-77
Geschäftsführer
Dr. Ulrich Nehring
AG Braunschweig, HRB 2695
USt-IdNr.: DE 114 882 606
Commerzbank AG Braunschweig
BIC COBA DEFF 270
IBAN DE85 2704 0080 0512 9200 00
Volksbank eG BraWo
BIC GENO DEF1 WOB
IBAN DE57 2699 1066 1275 1940 00
AKS Akkreditierung: Akkl-PL-20311
www.aks-hannover.de
Staatliche Akkreditierungsstelle Hannover

50 % ethanol 1 h 130 °C + 10 d 60 °C

BADGE	:	not detectable (<0.001 mg/dm²)
BADGE.H2O	:	not detectable (<0.001 mg/dm²)
BADGE.2H2O	:	not detectable (<0.001 mg/dm²)
BADGE.HCl.H2O	:	not detectable (<0.001 mg/dm²)
BADGE.HCl	:	not detectable (<0.001 mg/dm²)
BADGE.2HCl	:	not detectable (<0.001 mg/dm²)
BFDGE	:	not detectable (<0.001 mg/dm²)
BFDGE.H2O	:	not detectable (<0.001 mg/dm²)
BFDGE.2H2O	:	not detectable (<0.001 mg/dm²)
BFDGE.HCl.H2O	:	not detectable (<0.001 mg/dm²)
BFDGE.HCl	:	not detectable (<0.001 mg/dm²)
BFDGE.2HCl	:	not detectable (<0.001 mg/dm²)
Bisphenol A	:	not detectable (<0.001 mg/dm²)

Principle of method ME342:
Migration of test specimen into 3 % acetic acid resp. 50 % ethanol for 1 h 130 °C and subsequently storage for 10 d 60 °C. The examination of the migration solutions was carried out after extraction with ethanol and directly by RP-HPLC and fluorescence detection.

EVALUATION

Bisphenol A, BADGE and BFDGE as well as their water and chlorohydrin adducts were not detectable.

With regard to the examinations carried out the sample is in compliance with the requirements according to Regulation (EC) No 1895/2005.

INSTITUT NEHRING GmbH

Westphal

Janina Westphal
Head of Testing

INSTITUT NEHRING GmbH info@institut-nehring.de | www.institut-nehring.de
Heesfeld 17
D-38112 Braunschweig
fon +49 (0) 531. 238 99-0
fax +49 (0) 531. 238 99-77

Geschäftsführer
Dr. Ulrich Nehring
AG Braunschweig, HRB 2695
USt-IdNr.: DE 114 882 606

Commerzbank AG Braunschweig
BIC COBA DEFF 270
IBAN DE85 2704 0080 0512 9200 00

Volksbank eG BraWo
BIC GENO DEF1 WOB
IBAN DE57 2699 1066 1275 1940 00