

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-PL-14435-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 10.01.2019 to 05.10.2022 Date of issue: 10.01.2019

Holder of certificate:

**Eurofins Consumer Product Testing GmbH  
Am Neuländer Gewerbepark 4, 21079 Hamburg**

Tests in the fields:

**physical and physico-chemical investigations of alcoholic and non-alcoholic drinks, convenience products, mixed feed, consumer products, toys, migration solutions, cosmetic products and their raw materials, wash-, care- and cleaning agents;  
mechanical and physical properties and flammability of toys made of wood, metal, plastics, ceramics, elastomers and textiles as well as toys made of paper or paperboard or individual parts thereof**

Abbreviations used: see last page

**In the test areas marked \* and \*\* the testing laboratory is permitted to implement, without previously informing the DAkkS and receiving its approval,**

**\*) the free selection of standardised test procedures or their equivalents**

**\*\*\*) the modification, further development and new development of test procedures.**

**The listed test procedures are exemplary.**

**The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here in different issue dates. The testing laboratory has a current list of all test procedures in the flexible accreditation area.**

**The testing laboratory has a current list of all test procedures in the flexible accreditation area.**

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**1 Investigations of alcoholic and non-alcoholic drinks as well as convenience products**

ASU L 00.00-51 2000-07	Investigation of foods - determining BADGE and BADGE - 2HCl present in foods using LC-MS
PV 01096 2012-02	Determining bisphenol A and bisphenol F in aqueous media using GC-MS
PV 01147 2012-06	Determining the free and cleavable formaldehyde in beer and similar matrices
PV 01368 2012-04	Fluoride using ion-selective electrodes in milk products

**2 Investigations of mixed feed**

PV 01080 2016-11	Determining NDMA and NDEA in feedstuffs
PV 01369 2012-04	Fluoride using ion-selective electrodes in mineral products

**3 Investigations of consumer products (products with food contact, packaging materials, toys and other consumer products)**

**3.1 Sample preparation**

**3.1.1 Sample preparation using extraction \***

DIN EN 71-10 2006-03	Safety of toys - Part 10: Organic-chemical compounds - Preparation of samples and extraction
Resolution AP (89) 1 Chapter III Nr. 2 1989-09	On the use of colourants in plastic materials coming into contact with food - Chapter III Pkt. 2: Determination of metals and metalloids

**3.1.2 Other preparation**

PV 01371 2012-04	Sample preparation with melting digestion
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**3.2 Determination of organic compounds in consumer products with food contact (plastics, paper, wood), other consumer products, packaging materials and toys using gas chromatography with mass-selective detectors (MS, MS/MS) \*\***

DIN EN ISO 15318 1999-12	Pulp, paper and board - Determination of 7 specified polychlorinated biphenyls (PCB) using GC-MS
DIN EN 71-11 2006-01	Safety of toys - Part 11: Organic chemical compounds - Methods of analysis
CPSC-CH-C1001-09.3 2010-04	Analysis of phthalate content in child care items and toys by GC-MS
PV 00515 2011-06	Semi-quantitative thermodesorption screening of organic emissions; determining volatile organic compounds using thermoextraction/thermodesorption GC/MS
PV 00694 2013-10	Determining phthalates in non-food products
PV 00770 2007-12	Determining chlorophenols in consumer products and in wood
PV 00973 2007-06	Alcohols in paper and similar matrices using GC/MS
PV 00976 2012-04	Determining PAH in paper
PV 01104 2017-03	VOC analysis in direct and indirect materials by ATD-GC-MS - customer method
PV 01131 2008-10	Determining MCPD and DCP in paper
PV 01160 2014-11	Direct and indirect materials analysis by Pyrolysis GC/MS - customer method

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**3.3 Determination of organic compounds in consumer products with food contact, consumer products, migration solutions and toys using liquid chromatography with mass-selective detectors (MS, MS/MS) \*\***

DIN EN 71-11 2006-01	Safety of toys - Part 11: Organic-chemical compounds - Methods of analysis
PV 00972 2012-12	Isothiazolinone in paper and similar matrices using LC-MS/MS
PV 01095 2013-09	Determining plastics stabilisers in migration solutions using LC-MS/MS
PV 01137 2010-07	Melamine in migration solutions using LC-MS/MS
PV 01139 2009-02	Determining bisphenol A and bisphenol F in migration solutions using LC-MS/MS
PV 01140 2009-02	Determining BADGE, BFDGE and their hydroxy and chlorinated derivatives in migration solutions using LC-MS/MS

**3.4 Determination of organic compounds in consumer products with food contact (paper and paperboard) packaging materials using coupled liquid - and gas chromatography with conventional detectors (FID)**

PV 01482 2017-06	Determination of MOSH/MOAH (online LC-GC-coupling) in carton, paper, paperboard, Tenax- and Ethanol-migrationsolution, careproducts and raw material using GC-FID
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**3.5 Determination of organic compounds and Chrome- VI in materials for use with foods (plastics, paper, wood), consumer products and toys using photometry \*\***

DIN EN ISO 17075 2008-02	Protective gloves - General requirements and test methods; Leather - Chemical tests - Determination of chromium(VI) content ( <i>withdrawn standard</i> )
DIN EN 71-11 2006-01	Safety of toys - Part 11: Organic chemical compounds - Methods of analysis
DIN EN 1541 2001-07	Paper and board intended to come into contact with foodstuffs - Determination of formaldehyde in an aqueous extract

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DIN 54603 2008-08	Testing of paper, paperboard and board - Determination of glyoxal content
ASU L 00.00-6 1995-01 Correction 2002-12	Investigation of foods - determining primary aromatic amines in aqueous test foodstuffs
PV 00338 2010-07	Determining formaldehyde release using the WKI method (bottle test)

**3.6 Determination of elements in consumer products, migration solutions and toys using inductively coupled plasma mass spectrometry (ICP-MS) \***

DIN EN ISO 17294-2 (E 29) 2017-01	Water quality - Application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of selected elements including uranium isotopes <i>(Deviation: Application to consumer products and toys after acid extraction as well as migration solutions according to DIN EN 71-3)</i>
DIN EN 71-3 2013-07	Safety of toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i> <i>(Deviation: applies to all elements exceptionally chrome III und chrome VI)</i>
DIN EN 1388-1 1995-11	Materials and articles in contact with foodstuffs - Silicate surfaces - Part 1: Determination of the release of lead and cadmium from ceramic ware
DIN EN 1388-2 1995-11	Materials and articles in contact with foodstuffs - Silicate surfaces - Part 2: Determination of the release of lead and cadmium from silicate surfaces other than ceramic ware
DIN EN 1811 2012-10	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin <i>(withdrawn standard)</i>

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**3.7 Determination of migrating additives and contaminants in plastics with food contact using gravimetry \***

DIN EN 1186-2 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 2: Test methods for overall migration into olive oil by total immersion
DIN EN 1186-3 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 3: Test methods for overall migration into aqueous simulants by total immersion
DIN EN 1186-4 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 4: Test methods for overall migration into olive oil by cell
DIN EN 1186-5 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 5: Test methods for overall migration into aqueous food simulants by cell
DIN EN 1186-6 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 6: Test methods for overall migration into olive oil using a pouch;
DIN EN 1186-7 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 7: Test methods for overall migration into aqueous simulants using a pouch
DIN EN 1186-14 2002-12	Materials and articles in contact with foodstuffs - Plastics - Part 14: Test methods for 'substitute tests' for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95 % ethanol

**3.8 Determination of the colourfastness in consumer products using visual testing \***

ASU B 82.92-3 2011-12	Determination of the colourfastness of articles for common use - Part 1: Test with artificial saliva
ASU B 82.02-13 2011-12	Investigation of commodity goods - determining colourfastness of commodity goods - Part 2: Testing with sweat simulants

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**3.9 Determination of pH in consumer products (textiles, leather) using electrode measurement \***

DIN EN ISO 3071                      Textiles - Determination of pH of aqueous extract  
2006-05

DIN EN ISO 4045                      Leather - Chemical tests - Determination of pH  
2008-05

**3.10 Determination of chrome VI using ion chromatography \*\***

PV 01452                                  Ionchromatography Determination of chrome VI in migration solution  
2015-07                                  after post-column derivatization

DIN EN ISO 17075                      Leather - Chemical tests - Determination of chromium(VI) content  
2008-02                                  (*withdrawn standard*)

**4 Investigation of cosmetic products as well as wash-, care- and cleaning agents**

**4.1 Sample preparation**

ASU K 84.00-29                      Analysis of cosmetics - Pressure digestion for determination of  
2011-03                                  elements in cosmetics and tattoo colorants  
*(withdrawn standard)*

**4.2 Determination of organic compounds in cosmetic products using gas chromatography**

**4.2.1 With conventional detectors (FID) \*\***

PV 01192                                  Determining the content of glycerol and glycol derivatives  
2016-01                                  in cosmetics using GC-FID

PV 01388                                  Determining the content of alcohols in cosmetics using GC-FID  
2017-05

**4.2.2 With mass selective detectors (MS, MS/MS) \*\***

PV 00516                                  Determining potentially allergenic fragrances in cosmetic  
2016-09                                  articles

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PV 01138 2009-03	Determining 1,4-dioxane in cosmetic products using headspace GC/MS
PV 01249 2017-03	Volatile nitrosamines in cosmetic products using GC MS/MS

**4.3 Determination of ingredients and additives as well as residues and contaminants in cosmetic products and their raw materials using liquid chromatography**

**4.3.1 With conventional detectors (DAD, UV/VIS) \*\***

PV 01186 2017-03	Determining light filters in cosmetics
PV 01187 2013-05	Determining preservatives in cosmetics
PV 01188 2013-04	Determining Q 10 in cosmetics using HPLC
PV 01189 2013-10	Determining caffeine in cosmetics using HPLC
PV 01191 2011-05	Determining panthenol in cosmetics using HPLC

**4.3.2 With mass selective detectors (MS/MS) \*\***

PV 01443 2016-11	Determination of NDELA in cosmetics using LC-MS/MS
PV 01442 2014-03	Determination of preservatives in cosmetics (low limit of quantification) using LC-MS/MS

**4.4 Determination of organic compounds in cosmetic, products using coupled liquid- and gas chromatography with conventional detectors (FID)**

PV 01482 2017-06	Determination of MOSH/MOAH (online LC-GC-coupling) in carton, paper, paperboard, Tenax- and Ethanol-migrationsolution, careproducts and raw material using GC-FID
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PV 01238 2012-04	Determining non-ionic tensides
PV 01363 2012-04	Determining density
PV 01370 2016-11	Fluoride using ion-selective electrodes in toothpaste
PV 01490 2017-05	Element specification of chrome and chromate in cosmetics using ionchromatography after matrix-elimination and postcolumn-derivatization after extraction with synthetical tear solution

**5 Mechanical and physical properties and flammability of toys made of wood, metal, ceramics, plastics, elastomers and textiles as well as toys made of paper or paperboard or individual parts thereof**

DIN EN 71-1 2018-12	Safety of toys - Part 1: Mechanical and physical properties <i>(except for the following points: 8.18, 8.19, 8.21, 8.22, 8.23, 8.24, 8.26, 8.27, 8.28.2.3.2 (exception applies only to toys with earpieces and headphones), 8.29)</i>
DIN EN 71-2 2014-07	Safety of toys - Part 2: Flammability

**Abbreviations used:**

ASU	Official collection of investigation procedures according to §64 LFGB
CPSC	Consumer Product Safety Commission
DGF	German company for fetish science (Deutsche Gesellschaft für Fettwissenschaft e. V.)
DIN	German Institute for Standardisation (Deutsches Institut für Normung e. V.)
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
LFGB	Food and Feed Legislation (Lebensmittel- und Futtermittelgesetzbuch)
PV XXXXX	Laboratory in-house test method of Eurofins Consumer Product Testing GmbH