

FOOD / FEED SAFETY PARAMETERS AND ADULTERANTS

product catalogue
2017 / 2018

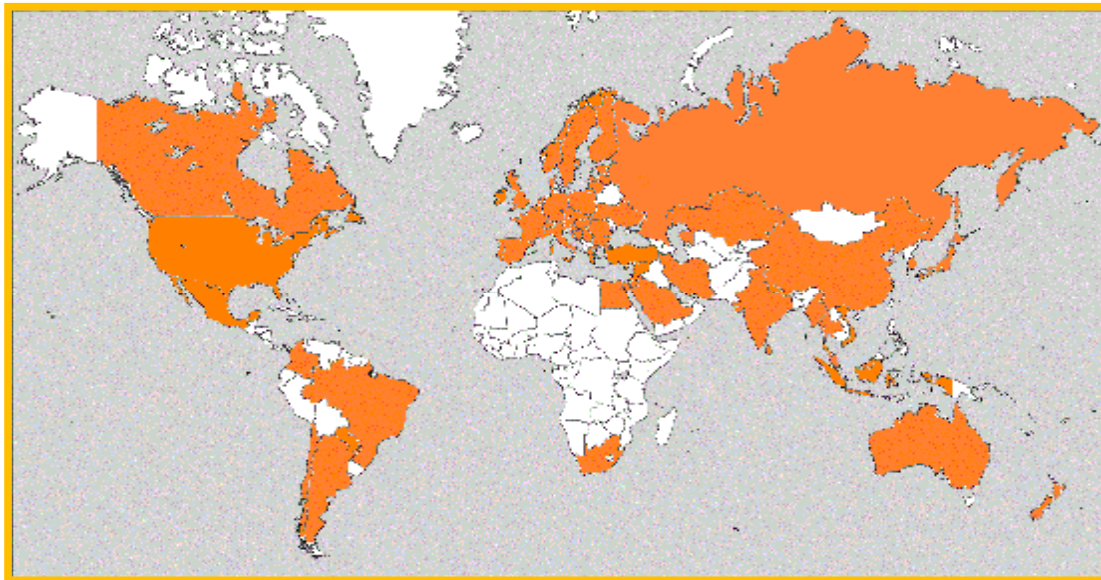


Your laboratory quality for:

• *chemical-physical*
testing

proficiency testing
reference material

**With the best proficiency testing service /
reference materials available into the year
2017 / 2018!**



* www.klinkner.de/hinweise/4596-analyse-des-ringversuchsangebotes-mikrobiologischer-parameter-im-bereich-lebensmittelanalytik

**If you do not find your proficiency testing or reference material, please look
at the keyword index.**

NEW

Returning of
ten result sheets is
included in the
**proficiency testing
price!***

Using ODIN we offer 9 additional
result sheets in the field of

- chemical-physical
- microbiological
- physical-mechanical

proficiency testing schemes for free.



*Please note, that the free of charge service is only valid for a result returned via ODIN (conditions and terms look at application form and terms and conditions).

If you have suggestions for our proficiency testing program, please do not hesitate to contact us. Together we can develop customized proficiency testing schemes for you.

our further catalogues:

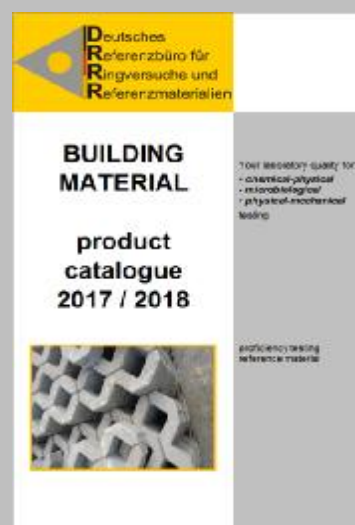
proficiency testing service & reference material:
- food and feed



proficiency testing service & reference material:
- packaging
- consumer goods
- plastics



proficiency testing service & reference material:
- building material



If you do not find your proficiency testing or reference material, please look at the keyword index.

the focus in our further catalogues:

Product catalogue **food and feed:**

Among others with a focus in

- **main parameter** (*fat, protein, dry matter and so on*)
- **side parameter** (*total lactic acid, lactose, nitrate, vitamins, freezing point and so on*)
- **microorganism** (*total count, E.coli, coliform, clostridia and so on*)
- **organoleptic testing** (*triangle test, ranking test and so on*)
- and so on

in many food and feed matrices

Product catalogue **packaging / consumer goods / plastics:**

Among others with a focus in

- **migration** (*overall migration, terephthalic acid, printing inks, mineral oil, jewellery and so on*)
- **identification** (*multi-layer plastic film, mono-layer plastic film and so on*)
- **extraction** (*free formaldehyde, flame retardants and so on*)
- **mechanically, thermally, optically testing and so on**
- chemical parameter of the testing for **cosmetic products** (*metals, tenside, tattoo ink and so on*)
- **microorganism** (*aerobic bacteria, moulds, S.aureus, cosmetics, foil, and so on*)
- **disinfectant**
- **medical devices**
- **organoleptic testing** (*threshold value examination, consumer goods, organoleptic deviation and spoilage and so on*)
- and so on

in many packaging, consumer goods, cosmetics, textiles, jewellery and so on

Product catalogue **building material:**

Among others with a focus in

- **hardened concrete** (*chloride content, stability, compressive strength, elasticity and so on*)
- **cement** (*chloride content, loss of ignition and so on*)
- **mortar** (*dry bulk density, compressive strength, adhesive strength and so on*)
- **insulating materials**
- **moulds in building material**
- and so on

in many building materials

If you have suggestions for our proficiency testing program, please do not hesitate to contact us. Together we can develop customized proficiency testing schemes for you.

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Index certified reference material



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If you do not find your proficiency testing or reference material, please look at the keyword index.

Your convenient proficiency testing management

Simply brilliant, your proficiency testing with ODIN.

Online Data Information Network (ODIN)

Convenient proficiency testing participation with ODIN easy, safe and clearly

- *Fast and easy online registration / online announcement in our online catalogue*
- *Direct management and booking of the proficiency testing*
- *Overview about the registered proficiency testing schemes*
- *Fast and secure submission of your results via ODIN*
- *Online access to individual customers reports and certificates*
- *Supervisor rights available to overview all PTs of a multi-site company*
- *saving of costs through booking and submission of your results via ODIN*

It is, of course, possible to send us your results via e-mail / fax and you can receive the report by e-mail.

Optionally you can request the report by postal delivery. This is possible for both booking options. You can receive the report as a soft cover via regular mail with an extra charge of 20,00 € to the basic price

Secure payment with IRIS.

Internet Remuneration Information Service (IRIS)

Convenient payment of the proficiency testing with IRIS easy, safe and fast.

- *Easy and safe payment by credit card*
- *Overview about all invoices*
- *Fast and secure online access*

You can also pay your invoice via banktransfer or bank check.



If you have suggestions for our proficiency testing program, please do not hesitate to contact us. Together we can develop customized proficiency testing schemes for you.

Z'-score > 2: What to do?

You are not satisfied with your laboratory performance: What can you do?

Due to your showed laboratory performance you have been asked by the accreditation body, the monitoring authority or your customer to initiate measures to improve your laboratory performance.

These measures are often connected with considerable efforts in the laboratory and you only have a short time frame. In many cases the proof of a successful measure processing, by participation in a new proficiency testing round, is only possible in the following year. Until now it does not exist a possibility for a spontaneous performance review to equalize a previous unsatisfactory proficiency testing result.

New: The bilateral proficiency testing (bPT)!

You can book and perform individually and flexibly the bilateral proficiency testing during a determined time period.

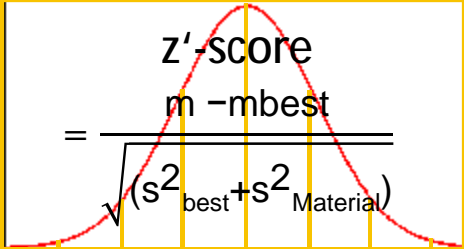
You receive a proficiency testing sample for analyzing. You submit the results of the testing. After that you will get your proof of performance as a z'-score calculation in the form of a certificate within 1 - 2 weeks. The performance evaluation refers to the previous regular proficiency testing, so that you can connect the bPT to the regular proficiency testing round. The used sample material is derived from a previous proficiency testing round and provides the possibility of a comparable performance evaluation with the regular proficiency testing.

Your terms and conditions:

You have participated in the regular DRRR-proficiency testing and you would like to verify your performance. The report of this proficiency testing is not older than ten weeks. You register within these ten weeks for the bPT and the performance is confirmed by the DRRR. The testing period is dependent on the technical factors (parameter, matrix etc.) and will be agreed individually*. When this time is over after the sample shipment and you do not have sent us your results in this time, we can not evaluate your results and issue a certificate for you.

(* normally not longer than 1 - 2 weeks)

The bPT is not in the scope of accreditation of the DRRR. The realization of the bPT depends on the availability of the material.



The diagram shows a normal distribution curve with a red peak. A vertical line marks the mean, labeled 'm - m_{best}'. The z'-score formula is written over the curve:
$$z' \text{-score} = \frac{m - m_{\text{best}}}{\sqrt{(s_{\text{best}}^2 + s_{\text{Material}}^2)}}$$

Costs for the bPT 75,00 € + sample material and shipping costs

You can also order reference material.

If you do not find your proficiency testing or reference material, please look at the keyword index.

Inspection body

The DRRR is a service company for external quality assurance of laboratories of the food industry, the packaging / consumer goods /plastic industry and building industry.

We are an inspection body, reference material producer and proficiency testing (PT) provider. For a wide selection of proficiency testing schemes the DRRR is accredited acc. DIN EN ISO/IEC 17043 (please look into the appendix of our scope of accreditation). We offer many certified reference materials as well as advise on quality matters and quality assurance training in the laboratory and the production.

Additionally we provide advice to our customers in all question of validation of chemical-physical, microbiological, organoleptic and physical-mechanical analysis or statistical questions.

Proficiency testing schemes that are not covered by the scope of accreditation are specifically marked with °) in the product catalogue.



Scheme for our organisation of proficiency testing:

- a precise planning and organisation of each proficiency testing round
- 2 weeks before we will dispatch the samples you will get an announcement with the proficiency testing details
- all materials send out are in line with a homogeneity test and stability test; therefore we reserve the right to purchase the sample and engage the testing take through external qualified subcontractors
- after receiving the samples you will have a period of 4 weeks for analysing
- mail back the results via internet by using our result sheets in an EXCEL file or fill out our result sheets online in ODIN
- at the latest 3 weeks after the deadline you will get the report (optional by login in ODIN, as hardcopy by regular mail or as pdf-file by e-mail) incl. participation certificate with overview of your lab performance
- after the proficiency testing we can offer you reference materials
- Possibility to perform a bilateral proficiency testing (bPT)

your data will be treated confidentially

announcement by e-mail

BCR/48/93 (1994)
ISO 13528

www.DRRR.de

s. DRRR-reference materials

If you have suggestions for our proficiency testing program, please do not hesitate to contact us. Together we can develop customized proficiency testing schemes for you.

food / feed safety parameters and adulterants



chemical-physical proficiency testing

OVERVIEW

In the field of the quality assurance for the chemical analysis of detrimental substances like

- **mycotoxins**
- **residues**
- **allergenes**

the DRRR offers a **variety of different parameter-matrix-combinations**. The evaluation of the proficiency testings bases on highest scientific and statistical level and provides therefore the laboratories with a very **precise feedback** according to their **actual performance**.



food / feed safety parameters and adulterants
chemical-physical proficiency testing



proficiency testing type

requested parameters

schedule 2017 / 2018

period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
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CEREALS / CEREAL PRODUCTS

corn aflatoxin 1 Article No. 2010207	aflatoxin - low level 1.00 ppb - 30.00 ppb	August 2017	306,00 €	326,00 €	102,00 €
corn aflatoxin 2 Article No. 2010228	aflatoxin - high level 15.00 ppb - 100.00 ppb	August 2017	306,00 €	326,00 €	102,00 €
corn DON 1 Article No. 2010230	DON - low level 0.10 ppm - 1.25 ppm	September 2017	306,00 €	326,00 €	102,00 €
corn DON 2 Article No. 2010232	DON - high level 1.00 ppm - 6.00 ppm	September 2017	306,00 €	326,00 €	102,00 €
corn fumonisin 1 Article No. 2010234	fumonisin - low level 0.10 ppm - 1.25 ppm	October 2017	306,00 €	326,00 €	102,00 €
corn fumonisin 2 Article No. 2010236	fumonisin - high level 1.00 ppm - 6.00 ppm	October 2017	306,00 €	326,00 €	102,00 €
corn ochratoxin 1 Article No. 2010238	ochratoxin - low level 1.00 ppb - 20.00 ppb	November 2017	306,00 €	326,00 €	102,00 €
corn ochratoxin 2 Article No. 2010240	ochratoxin - high level 10.00 ppb - 100.00 ppb	November 2017	306,00 €	326,00 €	102,00 €
corn zearalenone Article No. 2010242	zearalenone 50.00 ppb- 1500.00 ppb	November 2017	306,00 €	326,00 €	102,00 €
wheat DON 1 Article No. 2010208	DON - low level 0.10 ppm - 1.25 ppm	August 2017	306,00 €	326,00 €	102,00 €
wheat DON 2 Article No. 2010209	DON - high level 1.00 ppm - 6.00 ppm	August 2017	306,00 €	326,00 €	102,00 €
wheat ochratoxin 1 Article No. 2010244	ochratoxin - low level 1.00 ppb - 20.00 ppb	September 2017	306,00 €	326,00 €	102,00 €
wheat ochratoxin 2 Article No. 2010246	ochratoxin - high level 10.00 ppb - 100.00 ppb	September 2017	306,00 €	326,00 €	102,00 €
barley DON Article No. 2010248	DON 0.05 ppm - 3.00 ppm	November 2017	306,00 €	326,00 €	102,00 €
brown rice aflatoxin Article No. 2010250	aflatoxin 1.00 ppb - 20.00 ppb	November 2017	306,00 €	326,00 €	102,00 €
biscuits (soy) Article No. 2010218	soy in biscuits 3.00 ppm - 30.00 ppm	May 2017	306,00 €	326,00 €	102,00 €
cereal / cereal products Article No. 2010716	glyphosat	July 2017	252,00 €	272,00 €	91,00 €
rice wafers Article No. 2010718	arsenic	May 2017	252,00 €	272,00 €	91,00 €

* price report by postal delivery + 20,00 €/ *** additional submitted result sheets by e-mail, post or fax will be charged as additional sample sets

food / feed safety parameters and adulterants

chemical-physical proficiency testing



proficiency testing type

requested parameters

schedule 2017 / 2018

period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
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ANIMAL FEED

Article No.	parameters	period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
2010252	gluten feed aflatoxin 1.00 ppb - 50.00 ppb	December 2017	306,00 €	326,00 €	102,00 €
2010254	swine (pork) feed aflatoxin 1.00 ppb - 20.00 ppb	December 2017	306,00 €	326,00 €	102,00 €
2010256	pet food aflatoxin 1.00 ppb - 50.00 ppb	December 2017	306,00 €	326,00 €	102,00 €
2010093	animal feed ochratoxin A (OTA), deoxynivalenol (DON)	March 2017	267,00 €	287,00 €	96,00 €
2010093	animal feed ochratoxin A (OTA), deoxynivalenol (DON)	March 2018	267,00 €	287,00 €	96,00 €

FRUIT and VEGETABLES

Article No.	parameters	period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
2010055	grape juice sulfur dioxide (SO2)	June 2017	252,00 €	272,00 €	91,00 €
2010127	currant juice lead, cadmium, arsenic, copper, zinc, iron, tin, mercury, aluminium	August 2017	311,00 €	331,00 €	102,00 €
2010154	tomato juice ergosterol	November 2017	252,00 €	272,00 €	91,00 €
2010714	orange juice Carbendazim	July 2017	252,00 €	272,00 €	91,00 €

EGG PRODUCTS

Article No.	parameters	period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
2010129	hen's egg 1 nicotine, dioxin	May 2017	380,00 €	400,00 €	135,00 €
2010706	hen's egg 2 metabolites of nitrofurans	May 2017	380,00 €	400,00 €	135,00 €

MILK and CREAM

Article No.	parameters	period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
2010045	milk (residues) chloramphenicol, aldrin, dieldrin, PCB 101, sum parameter PCB, trichlormethane, aflatoxin M1, streptomycine, tetracycline (minimum 4 of the parameters quantitative)	April 2017	295,00 €	315,00 €	105,00 €

* price report by postal delivery + 20,00 €/ *** additional submitted result sheets by e-mail, post or fax will be charged as additional sample sets

food / feed safety parameters and adulterants

chemical-physical proficiency testing



proficiency testing type

requested parameters

schedule 2017 / 2018

period	result release and report online (ODIN)*	result release by e-mail /fax; report by e-mail*	each additional sample set ***
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CHEESE

processed cheese *frozen*
Article No. 2010258

annatto, natamycin, aflatoxin M1

May 2017

351,00 €

371,00 €

117,00 €

INFANT FORMULA

milk powder IMF allergens 1
Article No. 2010187

gliadin, soy, casein, lactose, β -lacto-globuline

March 2017

311,00 €

331,00 €

111,00 €

milk powder IMF allergens 1
Article No. 2010187

gliadin, soy, casein, lactose, β -lacto-globuline

March 2018

311,00 €

331,00 €

111,00 €

milk powder IMF allergens 2
Article No. 2010261

gliadin, soy, casein, lactose, β -lacto-globuline

October 2017

311,00 €

331,00 €

111,00 €

DETERMINATION of ANIMAL SPECIES

horse, swine
Article No. 2010263

determination of animal species

December 2017

311,00 €

331,00 €

111,00 €

porcine and beef DNA in gelatine
Article No. 2010588

Qualitative detection of low amounts of porcine (*sus scrofa*) and beef (*bos taurus*) DNA in highly processed food matrix (gelatin)
in this proficiency testing also the DNA of sheep, fish and goat could be requested

December 2017

311,00 €

331,00 €

111,00 €

GMO

soy (GMO)
Article No. 2010720

different events

November 2017

380,00 €

400,00 €

135,00 €

BOARD / PAPER

mineral oil in foodstuff, fatty foodstuffs, edible fat and edible oil

MOSH C16-C25, MOSH C25-C35, MOAH C16-C25, MOAH C25-C35

please book the proficiency testing in the product catalogue packaging / consumer goods / plastics

* price report by postal delivery + 20,00 €/ *** additional submitted result sheets by e-mail, post or fax will be charged as additional sample sets

Further proficiency testing in the field of mineral oil residues in food stuff you can find in our product catalogue packaging / consumer goods / plastics

registration form proficiency testing



proficiency testing type / Article No.	period	result release and report online (ODIN)	result release by e-mail / fax; report by e-mail	report by postal delivery	additional sample sets

NEW in the year 2017:

Up to nine additional result sheets can be returned for chemical-physical, microbiological and physical-mechanical proficiency testing rounds, which are announced beginning from 01 January 2017 are free of charge. As a participant, you benefit from our international recognized proficiency testing schemes. By submitting up to ten result sheets you are now enabled to run international comparisons to check different methods and different lab technicians with one proficiency testing round. Your benefit: Participating in DRRR-proficiency testing services save costs for your quality assurance! If you need additional sample sets, you have the opportunity to order it according to our latest product catalogue.

Please note, that the free of charge service is only valid for returning result sheets by ODIN. If you send us your results by mail, fax or postal delivery, the additional result sheet will be charged according the latest product catalogue as a sample set equivalent.

Please send registration to:
 fax-no. +49 (0)8 31/960 878-99
 e-mail: info@DRRR.de
 online via www.drrr.de/en/odin

this registration is permanent-registration and valid until my cancelation

Your registration is an one-time order. It is only valid for one year. Cancelation fees apply when cancelling a registration. If you want to have a permanent-registration please tick the box on the left side.

DRRR-customer number
 company
 company (additional line)
 contact person
 street
 post-code / city
 country (if not Germany)
 fon
 fax
 e-mail
 VAT-ID-No. (if available)

date

signature

With your signature you agree with our general terms and conditions

certified reference materials



OVERVIEW

Importance of reference materials

Reference material is a substance or item with one or more defined (known) characteristics and sufficient homogeneity.

Your benefit of using our certified DRRR-reference materials

These materials are suitable for the **calibration of equipment**, for the **quality assurance of testing methods** or to **analyse derivate reference materials**. DRRR-Reference materials are essential for the chemical, physical, microbiological and sensory analytics as well as for the **quality assurance**. Standards for the accreditation of testing and calibration laboratories demand the using of reference materials.

The use of reference materials (RM) and certified reference materials (CRM) is an important procedure to avoid mistakes in the lab routine.

Our reference materials (RM) and certified reference materials (CRM) cover a wide range for chemical, physical, microbiological and sensory reference materials. You can profit with our high quality standards for your lab work.

Characteristics of our certified DRRR-reference materials

- the reference value is developed by the total number of results of the participants of proficiency testing (consensus value)
- DRRR-Reference materials do always refer to a DRRR-Proficiency testing
- reliable reference values according to advanced statistical evaluation
- independent service without influence of societies organisations and federations

The opportunity to collaborate with the best laboratories for the different requirements assures the high quality of our materials.

The DRRR reference materials meet all requirements of the ISO Guides 31, 34 and 35, but it does not exist any accreditation for reference materials.

For questions about our reference materials, shipping conditions and reference values / uncertainties do not hesitate to contact us.

Identification of the materials

The reference materials listed on the following pages have specific article numbers to identify the materials.

To supply our customers with consistently high quality the DRRR-reference materials will be replaced regularly by corresponding materials during the year.

Currently available reference materials and its corresponding reference values will be sent on request. Please feel free to contact us. We reserve our right to send you always the latest materials.

If you do not find your proficiency testing or reference material, please look at the keyword index.

food / feed safety parameters and adulterants
certified chemical-physical reference material



overview

material description	parameter <i>(in individual cases it can happen that there is no reference value available for a listed parameter)</i>	additional information	packaging unit <i>(can vary)</i>	prices
CEREALS				
corn aflatoxin Article No. 1101012	aflatoxin	1.00 ppb - 30.00 ppb 15.00 ppb - 100.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
corn DON Article No. 1101013	DON	0.10 ppm - 1.25 ppm 1.00 ppm - 6.00 ppm available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
corn fumonisin Article No. 1101014	fumonisin	0.10 ppm - 1.25 ppm 1.00 ppm - 6.00 ppm available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
corn ochratoxin Article No. 1101015	ochratoxin	1.00 ppb - 20.00 ppb 10.00 ppb - 100.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
corn zearalenone Article No. 1101016	zearalenone	50.00 ppb - 1500.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
wheat DON Article No. 1101017	DON	0.10 ppm - 1.25 ppm 1.00 ppm - 6.00 ppm available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
wheat ochratoxin Article No. 1101018	ochratoxin	1.00 ppb - 20.00 ppb 10.00 ppb - 100.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
barley DON Article No. 1101019	DON	0.05 ppm - 3.00 ppm available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
brown rice aflatoxin Article No. 1101020	aflatoxin	1.00 ppb - 20.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €

food / feed safety parameters and adulterants
certified chemical-physical reference material



overview

material description	parameter <i>(in individual cases it can happen that there is no reference value available for a listed parameter)</i>	additional information	packaging unit <i>(can vary)</i>	prices
biscuits (soy) Article No. 1101021	soy in biscuits	3.00 ppm - 30.00 ppm available reference material and the corresponding reference values are available on request -limited supply options-	6 g	83,00 €
cereal / cereal products Article No. 1121071	glyphosat	available reference material and the corresponding reference values are available on request -limited supply options-	on request	price on request
rice wafers Article No. 1121072	arsenic	available reference material and the corresponding reference values are available on request -limited supply options-	on request	price on request

ANIMAL FEED

gluten feed aflatoxin Article No. 1101022	aflatoxin	1.00 ppb - 50.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
swine feed aflatoxin Article No. 1101023	aflatoxin	1.00 ppb - 50.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
pet food aflatoxin Article No. 1101024	aflatoxin	1.00 ppb - 50.00 ppb available reference material and the corresponding reference values are available on request -limited supply options-	50 g	83,00 €
animal feed Article No. 1121052	ochratoxin A (OTA) deoxynivalenol (DON)	available reference material and the corresponding reference values are available on request -limited supply options-	on request	83,00 €

FRUIT and VEGETABLES

grape juice <i>frozen</i> Article No. 1121053	sulphur dioxide (SO ₂)	several concentrations of SO₂ available reference material and the corresponding reference values are available on request	100 g	59,00 €
currant juice <i>frozen</i> Article No. 1121054	lead cadmium arsenic copper zinc iron tin mercury aluminium	available reference material and the corresponding reference values are available on request -limited supply options-	100 g	59,00 €
tomato juice <i>frozen</i> Article No. 1121055	ergosterol	available reference material and the corresponding reference values are available on request -limited supply options-	50 ml	59,00 €
orange juice Article No. 1121070	Carbendazim	available reference material and the corresponding reference values are available on request -limited supply options-	on request	59,00 €

food / feed safety parameters and adulterants
certified chemical-physical reference material



overview

material description	parameter <i>(in individual cases it can happen that there is no reference value available for a listed parameter)</i>	additional information	packaging unit <i>(can vary)</i>	prices
EGG PRODUCTS				
hen's egg type 1 Article No. 1121027	nicotine dioxine	available reference material and the corresponding reference values are available on request -limited supply options-	100 g	59,00 €
hen's egg type 2 Article No. 1121066	metabolites of nitrofurans	available reference material and the corresponding reference values are available on request -limited supply options-	100 g	59,00 €
MILK and CREAM				
residues in milk ^{frozen} Article No. 1101025	chloramphenicol aldrin dieldrin PCB 101 trichlormethane aflatoxin M1 streptomycine tetracycline	available reference material and the corresponding reference values are available on request -limited supply options-	250 ml	59,00 €
CHEESE				
processed cheese ^{frozen} Article No. 1111012	natamycin annatto aflatoxin M1	available reference material and the corresponding reference values are available on request -limited supply options-	50 g	103,00 €
INFANT FORMULA				
milk powder IMF allergens Article No. 1101026	gliadin soy casein lactose β-lact-globuline	available reference material and the corresponding reference values are available on request -limited supply options-	on request	83,00 €

food / feed safety parameters and adulterants
certified chemical-physical reference material



overview

material description	parameter <i>(in individual cases it can happen that there is no reference value available for a listed parameter)</i>	additional information	packaging unit <i>(can vary)</i>	prices
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DETERMINATION of ANIMAL SPECIES

horse, swine Article No. 1121056	determination of animal species	available reference material and the corresponding reference values are available on request -limited supply options-	on request	83,00 €
porcine and beef DNA in gelatine Article No. 1121057	Qualitative detection of low amounts of porcine (sus scrofa) and beef (bos taurus) DNA in highly processed food matrix (gelatin)	3 different samples (1 x negative, 2 x positive)	on request	85,00 €
porcine and beef DNA in gelatine Article No. 1121057	Qualitative detection of low amounts of porcine (sus scrofa) and beef (bos taurus) DNA in highly processed food matrix (gelatin)	1 material (positive or negative)	on request	50,00 €

GMO

soy (GMO) Article No. 1121073	different events	available reference material and the corresponding reference values are available on request -limited supply options-	on request	120,00 €
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order form reference materials



quantity	material type / material description / article no.	notes (e.g. time period for regular delivery)

Please send order form to:

fax-no. +49 (0)8 31/960 878-99
or
e-mail: info@DRRR.de

Please notice that we process orders only at a minimum order value of 50 €.

DRRR-customer number

company

company (additional line)

contact person

street

post-code / city

country (if not Germany)

fon

fax

e-mail

VAT-ID-No. (if available)

date signature

With your signature you agree with our general terms and conditions

PROFICIENCY TESTING



Why take part in proficiency testing?

- **Participation** in proficiency testing schemes **is required** by international standards or national facilities, organizations and customers
- Participants can **compare, assure and improve their own performance** and quality against other laboratories worldwide
- Laboratories can recognize how well they have been completed with the **applied method** compared to the other laboratories
- **Saving on the costs** of testing
- **Unquestionable lab performance** towards customers, authorities and certification authorities
- **Saving on the costs of lab development** and maintenance
- **Saving on the working time** in lab
- **Saving on production costs** by avoiding waste of raw material



Your benefits taking part in DRRR proficiency testing schemes

- **saving the costs**, because you have the opportunity to **analyze more samples and more parameters in one proficiency testing**
- **objective and independent impression of your quality and your performance** of your routine testing method compared to the other participating laboratories
- **external demonstration of your performance** with the results of the proficiency testing
- **build up of your own external quality assurance system** with our statistical tools (contains statistical control charts, MS-Excel evaluation files and reference materials). With these tools incorporated your external quality assurance rays unmatched confidence
- **detailed planning and organization** of your proficiency testing and an **easier, faster and better communication** with us

Our programme covers a wide range of chemical, microbiological and sensory proficiency testing schemes as well as the analysis of commodities, packaging and cosmetics. So you can profit of our high quality standards in all important fields of testing.

We work according to:

ISO Guide 31
ISO Guide 34
ISO Guide 35
DIN EN ISO/IEC 17020 / DIN EN ISO/IEC 17025
DIN EN ISO/IEC 17043

In most cases the laboratory performance we define by using:

z-score
z'-score
CRD-Wert

In our evaluation we use the following statistical models:

Method-specific evaluation according to the reference method (if available)

Additional extended method evaluation (in case data are available)

The following three statistical methods are used for evaluation:

- binomial distribution
- log-normal distribution
- normal distribution
- sensible statistics
- sensible statistics with outlier elimination
- robust statistics

Our interlaboratory comparisons are evaluated by three different statistical schemes because it do not exist the ideal statistical scheme as well as the ideal dataset for an evaluation. We use the statistical model with the lowest χ^2 -value.

If you do not find your proficiency testing, please look at the keyword index.

SALES TERMS AND DELIVERY CONDITIONS

§§

Our prices are net prices (plus 19% VAT) plus packaging and shipping. Customers from European countries who tell us their VAT-ID-No do not have to pay the German VAT.

Sales terms: 8 days net, without deduction

Expenses for special customs regulations e.g. import permission we have to charge separately.

Proficiency testing schemes or reference materials labelled with "*risk group 1*" does not require any special participation restrictions according to § 44 IfSG.

For **proficiency testing schemes or reference materials** labelled with "*risk group 2, or 3 ***" we need a permission according to § 44 IfSG or any similar of your lab.

Proficiency testing schemes or reference materials labelled with "*frozen*" will be send in our ADR-security certified freezing packaging system.

The shipment of not frozen materials will be sent by standard shipping. The frozen materials will be sent by express shipping.

The shipping costs for **reference materials and proficiency testings** will be calculated according to the effective expenses.

With the delivery of **reference materials** you will get the quality certificate with the details of the reference values and the corresponding uncertainties.

Please do not hesitate to contact us. We will send you an offer.

All samples and packaging materials are the ownership of the DRRR. Samples which are used for non-destructive testing and will not destroyed in the proficiency testing can be reclaimed from the DRRR. The DRRR will pay for the shipping costs.

Our general terms and conditions (Allgemeine Geschäftsbedingungen) are valid!

Our bank data:

Raiffeisenbank im Allgäuer Land
bank code 733 692 64
account no 102350

IBAN DE 94733692640000102350
BIC-Code: GENO DEF1DTA
VAT-ID-no DE254613132
TAX-no 127/124/32207

Place of business: Kempten
Commercial Registry: HRB 9496

Please add a copy of the permission to your order form.

If you order reference materials until 3.00 p.m. we could send the samples the same day and by request they could be delivered within the next day in European countries!

We recommend you to buy larger quantities for one order process to avoid unnecessary shipping costs. You also can order materials in regular intervals. You only have to tell us which material(s) we shall send you in which time period.

ALLGEMEINE GESCHÄFTSBEDINGUNGEN

§§

Das Deutsche Referenzbüro für Ringversuche und Referenzmaterialien GmbH (im folgenden DRRR genannt) für frei vereinbarte Dienstleistungen, insbesondere Prüfungs-, Schulungs- und Gutachtertätigkeiten und Referenzmaterialien.

§ 1 Allgemeine Bestimmungen

Der Auftraggeber erkennt die zum Zeitpunkt der Auftragserteilung jeweils gültigen Allgemeinen Geschäftsbedingungen und Preislisten an. Abweichende Geschäftsbedingungen einzelner Auftraggeber können grundsätzlich nicht anerkannt werden.
Nebenabreden, Zusagen und sonstige Erklärungen der Mitarbeiter des DRRR sind nur dann bindend, wenn sie vom DRRR ausdrücklich schriftlich bestätigt werden. Dies gilt auch für Änderungen dieser Klausel.
Die Unwirksamkeit einzelner Bestimmungen dieses Vertrages oder seiner Bestandteile lässt die Wirksamkeit der übrigen Regelungen unberührt. Die Vertragspartner sind im Rahmen des Zumutbaren nach Treu und Glauben verpflichtet, eine unwirksame Bestimmung durch eine ihrem wirtschaftlichen Erfolg gleichkommende wirksame Regelung zu ersetzen, sofern dadurch keine wesentliche Änderung des Vertragsinhaltes herbeigeführt wird; das gleiche gilt, falls ein regelungsbedürftiger Sachverhalt nicht ausdrücklich geregelt ist.

§ 2 Durchführung des Auftrages

Die vom DRRR angenommenen Aufträge werden durchgeführt bzw. Gutachten werden nach den anerkannten Regeln der Technik und – soweit nicht entgegenstehende Abmachungen schriftlich vereinbart sind – in der beim DRRR üblichen Handhabung erstellt. Keine Verantwortung wird für die Richtigkeit der den Prüfungen zugrunde liegenden Sicherheitsprogramme oder Sicherheitsvorschriften übernommen, sofern nicht ausdrücklich und schriftlich etwas anderes vereinbart wurde.
Der Umfang der Arbeiten des DRRR wird bei Erteilung des Auftrages schriftlich festgelegt. Ergeben sich bei der ordnungsgemäßen Durchführung des Auftrages Änderungen oder Erweiterungen des festgelegten Auftragsumfanges, sind diese vor Durchführung schriftlich zu vereinbaren. Falls ein Festhalten am Vertrag im Hinblick auf die Änderungen oder Erweiterungen ihm nicht mehr zugemutet werden kann hat der Auftraggeber in diesem Fall das Recht, vom Vertrag zurückzutreten. Der Auftraggeber hat jedoch nach § 649 BGB die vereinbarte Vergütung oder mangels Vereinbarung eine angemessene Vergütung zu bezahlen.
Mit Erstellung der jeweiligen Abschlußberichte oder Gutachten gelten die vertraglichen Leistungen des DRRR als erbracht.
Eine Seminaranmeldung kann bis 6 Wochen kostenfrei zurückgetreten werden, danach werden die Teilnehmerkosten je nach Aufwand dem Kunden in Rechnung gestellt.

Bei einer Ringversuchabmeldung gelten folgende Kündigungsbedingungen:

Kündigungs-Zeitraum:	Dauieranmeldung ^(D)
	einmalige Anmeldung ^(E)
bis zu 3 Monate vor Ringversuchsstart	keine Kosten ^(D)
	50,00 € ^(E)
ab 3 Monate vor Ringversuchsstart - Probenversand	50,00 € ^(D)
	halber Ringversuchspreis ^(E)
Probenversand - Abgabe Ergebnisse	vollständiger Ringversuchspreis und evtl. weitere anfallende Kosten ^(D & E)

§ 3 Fristen

Die vom DRRR angegebenen Auftragsfristen sind unverbindlich, es sei denn, deren Verbindlichkeit ist ausdrücklich schriftlich vereinbart.

§ 4 Gewährleistung und Haftung

Die Unversehrtheit des Probenmaterials auf eine definierte Beschaffenheit wird bei Auslandsversand nur bis zum ersten Grenzübertritt garantiert.

Sicherheitshinweis: Bei Versand von Materialien der Risikogruppe 2 muss dem DRRR ein Schreiben des Empfängers vorliegen, dass dieser für den Umgang mit gefährlichen Materialien (z.B. pathogenen Keimen) zugelassen ist.

Die Gewährleistung des DRRR umfasst nur die ihm gemäß § 2 ausdrücklich in Auftrag gegebenen Leistungen. Eine Gewähr für die Ordnungsmäßigkeit und das Funktionieren der betreffenden Gesamtanlage, Messgeräte oder Materialien, zu der die begutachteten oder geprüften Proben gehören, wird damit nicht übernommen; insbesondere trägt das DRRR keine Verantwortung für Verpackung, Materialauswahl und Bau der untersuchten Anlagen, Messgeräte oder Baugruppen, soweit diese Fragen nicht ausdrücklich Gegenstand des Auftrages sind. Auch im letzten Falle werden die Gewährleistungspflicht und die rechtliche Verantwortung des Herstellers weder eingeschränkt noch übernommen.

Die Gewährleistungspflicht des DRRR beschränkt sich auf die Nachbesserung eines Fehlers oder Mangels oder bei Fehlen einer zugesicherten Eigenschaft auf die Herbeiführung dieser Eigenschaft innerhalb einer angemessenen Frist. Schlägt die Nachbesserung oder Herbeiführung der Eigenschaft fehl, d. h., wird sie unmöglich oder dem Auftraggeber unzumutbar oder vom DRRR verweigert oder ungebührlich verzögert, ist der Auftraggeber nach seiner Wahl berechtigt, Herabsetzung der Vergütung oder Rückgängigmachung des Vertrages zu verlangen.

Bei fehlerhaften Ringversuchen oder Referenzmaterialien übernimmt das DRRR keine Haftung für entstandene Arbeitsleistungen des Kunden.

Eine Haftung von bestimmten Eigenschaften, insbesondere dafür, dass die Leistung für die Zwecke des Auftraggebers geeignet ist, übernimmt das DRRR nur, wenn eine entsprechende Zusicherung der betreffenden Eigenschaften erfolgt ist. Eine Haftung für Mangelfolgeschäden aus positiver Vertragsverletzung aufgrund zugesicherter Eigenschaften ist ausgeschlossen, sofern die Zusicherung nicht gerade vor solchen Folgeschäden schützen sollte. Schadenersatzansprüche des Auftraggebers aus §§ 463, 635 BGB wegen Fehlens zugesicherter Eigenschaften bleiben unberührt.

Beruhet ein Fehler oder Mangel, der kein Fehlen einer zugesicherten Eigenschaft darstellt, auf einem vom DRRR zu vertretenden Umstand, so haftet das DRRR für einen dem Auftraggeber hierdurch entstandenen Schaden nur je Auftrag bis zu einem Betrag der maximal dem Wert des nach § 2 vereinbarten Auftrag entspricht.

Die Verwendung der Materialien darf nur für den entsprechenden wissenschaftlichen Verwendungszweck durch ausgebildetes qualifiziertes Personal erfolgen. Das DRRR ist in keinem Fall für gebrauchte, ungebrauchte oder unbrauchbare Proben verantwortlich und zuständig.

Die Proben sind ausschließlich für analytische Zwecke bestimmt. Das DRRR übernimmt keine Haftung, wenn die Proben nicht für die bestimmten analytischen Zwecke eingesetzt werden.

Alle Materialien sind definitiv nicht für den menschlichen Verzehr geeignet, es sei denn es handelt sich um Sensorikmaterialien.

Die orale Aufnahme der nicht für sensorische Zwecke bestimmten Materialien kann zu Gesundheitsschäden führen.

Bei sensorischen Materialien ist selbstverantwortlich zu prüfen, ob die Prüfpersonen die Materialien auch im Hinblick auf Allergien testen können. Die Inhaltsstoffe der sensorischen Materialien sind deklariert.

Sämtliche Proben und Verpackungs-Materialien sind Eigentum des DRRR. Proben, die für zerstörungsfreie Prüfungen eingesetzt werden, und damit im Rahmen der Ringversuchsuntersuchung keiner Zerstörung unterliegen, können vom DRRR auf Verlangen wieder zurückgefordert werden. Die Versandkosten für den Rücktransport, sofern die Materialien zurück gefordert werden, werden vom DRRR getragen.

Die analytischen Eigenschaften des Materials werden nur dann garantiert, wenn entsprechend den vom DRRR festgelegten Transport-, Lager-, – und Verwendungsbedingungen vorgegangen wird.

Für gefrorene Proben garantiert das DRRR nur in sofern die im Datenblatt ausgewiesenen Materialeigenschaften, als dass die Proben vorschriftsmäßig behandelt werden. Für gefrorene Proben, die in Länder außerhalb der EU geliefert werden, können wir die Probeneigenschaften nur bis zur ersten Zollabfertigungsstelle an der jeweiligen EU-Grenze garantieren.

§ 5 Ausschluss weitergehender Haftung und Ansprüche

Die Gefahr (Transport- und Vergütungsgefahr) geht auf den Besteller über, sobald die Ware das DRRR verlassen hat, gleichgültig ob mit eigenen oder fremden Transportmitteln.

Schadensersatzansprüche des Auftraggebers sind ausgeschlossen. Dies gilt nicht bei Vorsatz, grober Fahrlässigkeit, Verletzung wesentlicher Vertragspflichten des DRRR oder des Fehlens schriftlich zugesicherter Eigenschaften.

Alle weiteren Ansprüche des Auftraggebers für unmittelbaren und mittelbaren Schaden – gleich aus welchem Rechtsgrund – insbesondere Ansprüche auf Schadensersatz wegen positiver Vertragsverletzung oder aus unerlaubter Handlung und auf Ersatz von Schäden, die nicht an dem Auftragsgegenstand selbst entstanden sind, sind ausgeschlossen. Unabhängig davon ist der Auftraggeber verpflichtet, die üblichen Versicherungen gegen unmittelbare und mittelbare Schäden abzuschließen.

§ 6 Vergütungs- und Zahlungsbedingungen

Die Preise sind Euro-Preise, wenn nicht anders angegeben, und verstehen sich ohne Umsatzsteuer. Diese wird zum jeweils gültigen Satz entsprechend den jeweils geltenden steuerrechtlichen Vorschriften gesondert in Rechnung gestellt.

Die Waren bleiben bis zur vollständigen Bezahlung durch den Kunden Eigentum des DRRR.

Für die Berechnung der Leistungen gelten die Entgelte nach dem jeweils gültigen Leistungsverzeichnis des DRRR, soweit nicht schriftlich ausdrücklich ein Festpreis oder eine andere Bemessungsgrundlage vereinbart ist. Bei Fehlen eines gültigen Leistungsverzeichnisses sind in jedem Fall einzelvertragliche Regelungen zu treffen. Kostenvorschüsse können verlangt werden. Ebenso können Teilrechnungen entsprechend den erbrachten Leistungen gestellt werden. Teilrechnungen müssen nicht als solche gekennzeichnet sein. Der Erhalt einer Rechnung bedeutet nicht, dass das DRRR den Auftrag vollständig abgerechnet hat.

Die Entgelte sind sofort nach Rechnungslegung, spätestens bis zu dem in der Rechnung ausgedruckten Termin zur Zahlung fällig (8 Tage netto, ohne Abzug). Es sei denn es wurde eine andere Regelung getroffen. Bei späterer Zahlung werden für den offenen Rechnungsbetrag Verzugszinsen für den Zeitraum zwischen Fälligkeit und Geldeingang in Höhe von 2% über EURIBOR in Rechnung gestellt.

Beanstandungen der Rechnungen des DRRR sind innerhalb einer Ausschlussfrist von 14 Tagen nach Erhalt der Rechnung schriftlich begründet mitzuteilen.

§ 7 Geheimhaltung und Urheberrecht

Das DRRR behält sich die Urheberrechte an den von ihm erstellten Gutachten, Prüfungsergebnisse, Berechnungen u. ä. vor.

Das DRRR und seine Mitarbeiter dürfen Geschäfts- und Betriebsverhältnisse, die bei der Ausübung der Tätigkeit zur Kenntnis gelangen, nicht unbefugt offenbaren oder verwerten.

Von schriftlichen Unterlagen, die dem DRRR zur Einsicht überlassen und die für die Durchführung des Auftrags von Bedeutung sind, darf das DRRR Abschriften zu ihren Akten nehmen.

Bei der Zustellung des Ringversuchsberichts und des Laborcodes via E-Mail kann keine Garantie über die Sicherstellung der Vertraulichkeit gewährt werden.

§ 8 Gerichtsstand, Erfüllungsort, anzuwendendes Recht

Gerichtsstand für die Geltendmachung von Ansprüchen für beide Vertragspartner ist Kempten, sofern die Voraussetzungen gemäß § 38 Zivilprozessordnung vorliegen. Dies gilt insbesondere im Mahnverfahren. Erfüllungsort für alle sich aus dem Vertrag ergebenden Verpflichtungen ist Kempten, der Sitz des Auftragnehmers. Das Vertragsverhältnis und alle Rechtsbeziehungen unterliegen ausschließlich dem zwischen inländischen Vertragspartnern geltenden Recht der Bundesrepublik Deutschland unter Ausschluss des Einheitlichen Gesetzes über den Kauf beweglicher Sachen und des Übereinkommens der Vereinten Nationen über Verträge im internationalen Warenkauf.

§ 9 Gewährleistung von Dienstleistungen und Waren von Kooperationspartnern

Für Referenzmaterialien, die im Namen unserer Kooperationspartner verkauft werden, gelten hinsichtlich der Haftung und Gewährleistung folgende Bedingungen:

Die Haftung unserer Kooperationspartner, seine gesetzlichen Vertreter und Erfüllungsgehilfen werden beschränkt auf Fälle von Vorsatz, grober Fahrlässigkeit, Fehlen einer zugesicherten Eigenschaft und Verletzung einer Pflicht, bei deren Nichteinhaltung der Vertragszweck gefährdet wäre. Die Haftung wird für nachgewiesene Schäden aufgrund grob fahrlässiger Verhaltensweisen auf die Höhe der Vertragsvergütung beschränkt, für Folgeschäden wird keine Haftung übernommen. Die Haftung beschränkt sich auf die Verwendung der Referenzmaterialien für die im jeweiligen Zertifikat beschriebenen Zwecke.

Unserer Kooperationspartner gewährleisten die Anwendung wissenschaftlicher Sorgfalt sowie die Einhaltung der anerkannten Regeln der Technik.

Unsere Kooperationspartner sind berechtigt, auftretende Mängel nachzubessern. Bei Fehlschlägen der Nachbesserung ist der Auftraggeber berechtigt, nach seiner Wahl Herabsetzung der Vergütung oder Rückgängigmachung des Vertrages zu verlangen. Weitergehende Gewährleistungsansprüche sind ausgeschlossen.

Die Gewährleistung wird begrenzt auf das angegebene Haltbarkeitsdatum der Referenzmaterialien. Dies gilt für: ieLab, TGZ AQS Baden-Württemberg

parameter / method	catalogue	page
1,3 butadiene monomer	packaging / consumer goods / plastics	B 16,44
1-Butanone,2-(dimethylamino)-1-(4-(4-morpholinyl)phenyl)-2-(phenylmethyl)- CAS 119313-12-1	packaging / consumer goods / plastics	B 17,18,45,46
1-octen specific migration in food simulating matrix: ethanol 50%, 95% ,vegetable oil	packaging / consumer goods / plastics	B 13,43
1-Propanone, 1-[4-[(4-benzoylphenyl)thio]phenyl]-2-methyl-2-[(4-methylphenyl)sulfonyl]- CAS 272460-97-6	packaging / consumer goods / plastics	B 17,18,45,46
2,4,6-trimethylbenzoylphenyl phosphinate CAS 84434-11-7	packaging / consumer goods / plastics	B 17,18,45,46
3,3'-dichlorbenzidine	packaging / consumer goods / plastics	B 26,49
3.5 % flexural strength / Dynstat	packaging / consumer goods / plastics	B 28
5-nitro-o-toluidine	packaging / consumer goods / plastics	B 26,49
abrasion by abrasive wheels	packaging / consumer goods / plastics	B 29
abrasion resistance	packaging / consumer goods / plastics	B 29,30,32
acesulfam K	food and feed	L 16,53
acetaldehyde	packaging / consumer goods / plastics	B 16,44
acetate	food and feed	L 19,58
acetic acid bacteria	food and feed	L 30,68
acetone	packaging / consumer goods / plastics	B 25,49
acid	food and feed	L 17,21,54,56,57,62
acid-tolerant bacteria	food and feed	L 29,30
acoustics determination	building material	Ba 13,20
acrylamide	food and feed	L 17,54
acrylamide specific migration in food simulating matrix: ethanol 10%, acetic acid 3%, distilled water, olive oil	packaging / consumer goods / plastics	B 14,43
Acrylic fibres / other fibres	packaging / consumer goods / plastics	B 24
acrylonitrile specific migration in food simulating matrix: ethanol 10%, acetic acid 3%, distilled water, olive oil	packaging / consumer goods / plastics	B 14,42
actual alcohol	food and feed	L 18
Adenovirus	packaging / consumer goods / plastics	B 36,54
adhesion of multilayer pipes	packaging / consumer goods / plastics	B 29
adhesive strength	building material	Ba 13,20
aerobe spores	food and feed	L 63
aerobic bacteria	packaging / consumer goods / plastics	B 34,35,52,53
aerobic mesophilic spores	food and feed	L 23
aerobic mesophilic total count	food and feed	L 63
aerobic total count	food and feed	L 25,34,35,36,72,73
aerobic total count	packaging / consumer goods / plastics	B 36,54
aflatoxin	food / feed safety parameters and adulterants	SP 11,12,13,17,18,19
alcohol	food and feed	L 18,56
alcohol content in weight per cent and volume per cent	food and feed	L 18,56
aldrin	food / feed safety parameters and adulterants	SP 12,19
alicyclobacillus	food and feed	L 29,68
alkalinity	food and feed	L 15,51
allyl mustard oil	food and feed	L 21,62
aluminium	food / feed safety parameters and adulterants	SP 12,18
aluminium	packaging / consumer goods / plastics	B 25,48
aluminium corrosion	packaging / consumer goods / plastics	B 26
L = product catalogue food and feed; SP = product catalogue food / feed safety parameters and adulterants; B = product catalogue packaging / consumer goods plastics; Ba = product catalogue building material		

parameter / method	catalogue	page
anaerobic mesophilic spore-forming bacteria	food and feed	L 26,66
anaerobic mesophilic sulfite-reducing spores	food and feed	L 33,71
anaerobic mesophilic total spores	food and feed	L 33,71
anaerobic total count	food and feed	L 26,66
aniline	packaging / consumer goods / plastics	B 26,49
animal species detection	food / feed safety parameters and adulterants	SP 13,20
annatto	food / feed safety parameters and adulterants	SP 13,19
anthracene	packaging / consumer goods / plastics	B 25,49
antimony	packaging / consumer goods / plastics	B 25,26,49,50
AOX	packaging / consumer goods / plastics	B 25,48
apparent density	packaging / consumer goods / plastics	B 22
apparent extract	food and feed	L 18,56
apparent interlaminar shear strength	packaging / consumer goods / plastics	B 30
arsenic	food and feed	L 19,59
arsenic	food / feed safety parameters and adulterants	SP 11,12,18
arsenic	packaging / consumer goods / plastics	B 25,49
artificial saliva	packaging / consumer goods / plastics	B 26,50
artificial sweat	packaging / consumer goods / plastics	B 26,50
ascorbic acid (vitamin C)	food and feed	L 16,17,19,21,53, 54,55,58,62
ash	food and feed	^L 14,15,16,17,18, 19,20,48,49,50, 51,52,53,54,55, 57,58,59,60,61
ash content	packaging / consumer goods / plastics	B 19
aspartame	food and feed	L 16,53
Aspergillus niger	packaging / consumer goods / plastics	B 36,54
asperity Height	packaging / consumer goods / plastics	B 31
aw-value	food and feed	L 19,58
azo dyes	packaging / consumer goods / plastics	B 24,48
B.cereus	food and feed	^L 24,26,34,64,66
Bacillus subtilis-Spores	packaging / consumer goods / plastics	B 36,54
bactericidal activity	packaging / consumer goods / plastics	B 36,54
ball indentation hardness	packaging / consumer goods / plastics	B 28
barium	packaging / consumer goods / plastics	B 26,50
basic test (triangle test, ranking test)	food and feed	L 38,39,74,75
BBP	packaging / consumer goods / plastics	B 16,43
beef	food / feed safety parameters and adulterants	SP 13,20
benzisothiazolinone (BIT)	packaging / consumer goods / plastics	B 26,49,50
benzo(a)anthracene	packaging / consumer goods / plastics	B 25,49
benzo(a)pyren	packaging / consumer goods / plastics	B 25,49
benzo(b)fluoranthen	packaging / consumer goods / plastics	B 25,49
benzo(e)pyren	packaging / consumer goods / plastics	B 25,49
benzo(j)fluoranthen	packaging / consumer goods / plastics	B 25,49
benzo(k)fluoranthen	packaging / consumer goods / plastics	B 25,49
benzoic acid	food and feed	L 16,18,19,21,53, 56,57,59,62
benzoic acid	packaging / consumer goods / plastics	B 25,48
beta-lacto-globuline	food / feed safety parameters and adulterants	SP 13,19
Bifidobacteria	food and feed	L 34
biotin	food and feed	L 20,6
Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide CAS 162881-26-7	packaging / consumer goods / plastics	B 17,18,45,46

L = product catalogue food and feed; SP = product catalogue food / feed safety parameters and adulterants; B = product catalogue packaging / consumer goods plastics; Ba = product catalogue building material

parameter / method	catalogue	page
bisphenol A monomer	packaging / consumer goods / plastics	B 16,44
Bisphenol A specific migration in food simulating matrix: distilled water, acetic acid 3%, ethanol 10%, olive oil	packaging / consumer goods / plastics	B 14,43
BMDM	packaging / consumer goods / plastics	B 25,49
body hook	packaging / consumer goods / plastics	B 31,51
body hook butting contact A and B	packaging / consumer goods / plastics	B 31,51
brix-value	food and feed	L 16,17,53,55
bulk density	food and feed	L 14,52
burning rate	packaging / consumer goods / plastics	B 20,22,24
burst test	packaging / consumer goods / plastics	B 31,51
bursting distension	packaging / consumer goods / plastics	B 32
bursting strength	packaging / consumer goods / plastics	B 32
butylparaben	packaging / consumer goods / plastics	B 25,48
butyric acid ethyl ester	food and feed	L 19,59
butyric acid methyl ester	food and feed	L 15,20,51,60
C.albicans	packaging / consumer goods / plastics	B 35,36,53,54
C.perfringens	food and feed	L 26,34,66
cadmium	food / feed safety parameters and adulterants	SP 12,18
cadmium	packaging / consumer goods / plastics	B 24,26,48,50
caffeine	food and feed	L 17,21,54,62
calcium	food and feed	L 15,17,18,19,20,51,55,56,58,60,61
campylobacter spp.	food and feed	L 23,32,63,70
caprolactam specific migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil	packaging / consumer goods / plastics	B 13,42
Capsaicin	food and feed	L 16,53
Carbendazim	food / feed safety parameters and adulterants	SP 12,18
carbohydrate	food and feed	L 16,21,53,61
Carbon black content	packaging / consumer goods / plastics	B 22
carotene	food and feed	L 15,17,51
carotenoid	food and feed	L 17,54
CAS 119313-12-1: 1-Butanone,2-(dimethylamino)-1-(4-(4-morpholinyl)phenyl)-2-(phenylmethyl)-	packaging / consumer goods / plastics	B 17,18,45,46
CAS 15625-89-5: Tri(methylolpropan)triacrylate (TMPTA)	packaging / consumer goods / plastics	B 17,18,45,46
CAS 162881-26-7: Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide	packaging / consumer goods / plastics	B 17,18,45,46
CAS 272460-97-6:1-Propanone,1-[4-(4-benzoylphenyl)thio]phenyl]-2-me	packaging / consumer goods / plastics	B 17,18,45,46
CAS 42978-66-5:Tri(propylene glycol)diacrylate (TPGDA)	packaging / consumer goods / plastics	B 17,18,45,46
CAS 57472-68-1: Dipropylene glycol diacrylate (DPGDA)	packaging / consumer goods / plastics	B 17,18,45,46
CAS 84434-11-7:2,4,6-trimethylbenzoylphenyl phosphinate	packaging / consumer goods / plastics	B 17,18,45,46
CAS 94108-97-1: Di(tri-methylolpropan)tetraacrylat (Di-TMPTA),	packaging / consumer goods / plastics	B 17,18,45,46
casein	food and feed	L 14,49
casein	food / feed safety parameters and adulterants	SP 13,19
cellular plastics	packaging / consumer goods / plastics	B 22
charpy flexural impact test polyamide	packaging / consumer goods / plastics	B 29
charpy impact strength	packaging / consumer goods / plastics	B 28
charpy impact test	packaging / consumer goods / plastics	B 29
charpy notched impact strength	packaging / consumer goods / plastics	B 28
chloramphenicol	food / feed safety parameters and adulterants	SP 12,19
chloride	food and feed	14,15,16,18,19, L 21,50,51,53,56, 57,58,59,62
chloride content	building material	Ba 11,19

L = product catalogue food and feed; SP = product catalogue food / feed safety parameters and adulterants; B = product catalogue packaging / consumer goods plastics; Ba = product catalogue building material

parameter / method	catalogue	page
chlorogenic acid	food and feed	L 17,54
chloromethylisothiazolinone	packaging / consumer goods / plastics	B 26,50
cholesterol	food and feed	L 15,18,20,51,57,60
chromium	packaging / consumer goods / plastics	B 24,48
chrysene	packaging / consumer goods / plastics	B 25,49
citric acid	food and feed	L 14,16,17,18,19,50,53,55,56,58,59
citric acid - isocitric acid ration	food and feed	L 17,55
Clostridia	food and feed	L 26,33,66,71
coagulase-positive Staphylococcus	food and feed	L 24,27,31,34,64,66,70
cobalamin (vitamin B12)	food and feed	L 17,54
cobalt	packaging / consumer goods / plastics	B 25,26,49,50
cocamidopropyl betaine (CAPB)	packaging / consumer goods / plastics	B 25,49
cochenille red A	food and feed	L 15,51
coco-glucoside	packaging / consumer goods / plastics	B 25,49
coefficient of linear thermal expansion (CTLE)	packaging / consumer goods / plastics	B 19
coefficients of friction	packaging / consumer goods / plastics	B 28,51
coliforme bacteria	food and feed	L 25,34,35,36,72,73
coliforme total count	food and feed	L 25,65
collagen	food and feed	L 19,58
collagen degradation products	food and feed	L 19,58
colour fastness	packaging / consumer goods / plastics	B 24,26,32,50
colour fastness testing with distilled water, acetic acid 3%, olive oil	packaging / consumer goods / plastics	B 23,47
colour Measurement	packaging / consumer goods / plastics	B 21,24
colouring agent	food and feed	L 15,51
complex shear viscosity (parallel-plate)	packaging / consumer goods / plastics	B 20
compression set	packaging / consumer goods / plastics	B 30
compression test	packaging / consumer goods / plastics	B 28,30
compressive properties	packaging / consumer goods / plastics	B 30
compressive strength	building material	Ba 13,20
conductivity	food and feed	L 21,62
contact angle and surface energy	packaging / consumer goods / plastics	B 21
copper	food and feed	L 17,20,55,61
copper	food / feed safety parameters and adulterants	SP 12,18
copper	packaging / consumer goods / plastics	B 25,48
cover hook	packaging / consumer goods / plastics	B 31,51
cronobacter spp.	food and feed	L 26,34,66
cryptoxanthin Ester	food and feed	L 17,54
crystallization kinetics	packaging / consumer goods / plastics	B 19
curcumin	food and feed	L 15,51
cutting of specimen	packaging / consumer goods / plastics	B 29
cyclamate	food and feed	L 19,59
DBP	packaging / consumer goods / plastics	B 15,43
deflection temperature under flexural load	packaging / consumer goods / plastics	B 19
DEHP	packaging / consumer goods / plastics	B 15,43
demand absorbency	packaging / consumer goods / plastics	B 24
density	building material	Ba 11,19
density	food and feed	L 14,18,49,56
density	packaging / consumer goods / plastics	B 19,22,25,48

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parameter / method	catalogue	page
descriptive testing	packaging / consumer goods / plastics	B 38,55
determination after 0, 2, 7, 14 and 28 days of all 5 relevant microorganism in O/W-emulsion	packaging / consumer goods / plastics	B 35
dexpanthenol	packaging / consumer goods / plastics	B 25,48
di(tri-methylolpropan)tetraacrylat (Di-TMPTA) CAS 94108-97-1	packaging / consumer goods / plastics	B 17,18,45,46
diacetyl (triangle test, ranking test)	food and feed	L 39,74
diastase activity	food and feed	L 21,62
dibenz(ah)anthracene	packaging / consumer goods / plastics	B 25,49
DIDP	packaging / consumer goods / plastics	B 15,43
dieldrin	food / feed safety parameters and adulterants	SP 12,19
di-ethylene glycol in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil	packaging / consumer goods / plastics	B 14
diethylenglycol	food and feed	L 18,56
dimensional change in washing	packaging / consumer goods / plastics	B 32
dimensional stability	packaging / consumer goods / plastics	B 31
DINP	packaging / consumer goods / plastics	B 15,43
dioxine	food / feed safety parameters and adulterants	SP 12,19
diphosphorus pentoxide (P2O5)	food and feed	L 19,58
dipropylene glycol diacrylate (DPGDA) CAS 57472-68-1	packaging / consumer goods / plastics	B 17,18,45,46
distribution of fatty	food and feed	L 21,62
DNOP	packaging / consumer goods / plastics	B 15,43
docosahexaenoic acid	food and feed	L 18
DON	food / feed safety parameters and adulterants	SP 11,12,17,18
double seam test: countersink depth	packaging / consumer goods / plastics	B 31,51
dry bulk density	building material	Ba 11,19
dry matter	food and feed	L 14,15,16,17,18, 20,21,45,46,47, 48,49,50,51,52, 53,54,57,59,60, 62
dry residue	packaging / consumer goods / plastics	B 25,48
DSC Analysis	packaging / consumer goods / plastics	B 19,22,24
dynamic-machanical-Analysis (DMA)	packaging / consumer goods / plastics	B 29
dynstat impact strength	packaging / consumer goods / plastics	B 28
E.coli	food and feed	L 23,24,26,29,30, 31,34,35,36,63, 64,65,68,69,70, 72,73
E.coli	packaging / consumer goods / plastics	B 35,53
egg content	food and feed	L 18,57
egg yolk content	food and feed	L 18,57
EHEC O104	food and feed	L 23
EHEC O157	food and feed	L 23
EHS	packaging / consumer goods / plastics	B 25,49
EHT	packaging / consumer goods / plastics	B 25,49
eicosapentaenoic acid	food and feed	L 18
energy	food and feed	L 21,61
enterobacteriaceae	food and feed	L 23,24,25,30,31, 34,63,64,65,69, 70
enterococcus	food and feed	L 26,34,35,36,65, 72,73
EOX	packaging / consumer goods / plastics	B 25,48
ergosterol	food / feed safety parameters and adulterants	SP 12,18
erichsen Hardness test pencil	packaging / consumer goods / plastics	B 21
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parameter / method	catalogue	page
ethanol	food and feed	L 21,62
ethanol	packaging / consumer goods / plastics	B 25,49
ethyl carbamate	food and feed	L 18,56
ethylene glycol in food simulating matrix:ethanol 10%; 20%; 50%, acetic acid	packaging / consumer goods / plastics	B 14
ethylenglycol	food and feed	L 18,56
ethylparaben	packaging / consumer goods / plastics	B 25,48
examination for panels	food and feed	L 38,39,74,75
examination for panels	packaging / consumer goods / plastics	B 38,55
expansion measurements	packaging / consumer goods / plastics	B 31,51
Exposure to laboratory light - Fluorescent UV lamps	packaging / consumer goods / plastics	B 21
extract	food and feed	L 18,56
falling number	food and feed	L 20,59
fat	food and feed	L 14,15,16,18,19, 20,21,45,46,47, 48,49,50,51,52, 53,57,58,59,60, 61,62
fat	packaging / consumer goods / plastics	B 25,48
fatty acid composition	food and feed	L 15,51
ferment accompanying substances	food and feed	L 18,56
fermentable sugar	food and feed	L 18,56
fibre	food and feed	L 16,18,20,21,53, 57,60,61
fibre blend	packaging / consumer goods / plastics	B 24
fibre blend made from polyester/cotton	packaging / consumer goods / plastics	B 24
fibre lenght	packaging / consumer goods / plastics	B 21
film thickness	packaging / consumer goods / plastics	B 28,51
flame retardants	packaging / consumer goods / plastics	B 24,48
flavour (triangle test, ranking test)	food and feed	L 38,39,74,75
flexural and compressive strength	building material	Ba 13,20
flexural properties	packaging / consumer goods / plastics	B 30
flexural strength	building material	Ba 13,20
flexural test	packaging / consumer goods / plastics	B 29
fluidity of plastics using capillary rheometer	packaging / consumer goods / plastics	B 20
fluoride	packaging / consumer goods / plastics	B 25,48
fogging behaviour	packaging / consumer goods / plastics	B 21
folic acid (vitamin B11)	food and feed	L 17,20,54,60
food simulating matrix: Tenax	packaging / consumer goods / plastics	B 23,47
foreign fat	food and feed	L 15,51
formaldehyde	packaging / consumer goods / plastics	B 14,23,24,25,47, 48
formaldehyde emission	packaging / consumer goods / plastics	B 21
formaldehyde testing of: distilled water, acetic acid 3%, ethanol 10%, olive oil	packaging / consumer goods / plastics	B 14,43
free acids	food and feed	L 21,62
free and hydrolised formaldehyde	packaging / consumer goods / plastics	B 24,48
free and total sulfurous acid	food and feed	L 18,56
free butyric acid	food and feed	L 19,20,59,60
free fat	food and feed	L 16,52
free fatty acids	food and feed	L 14,15,49,51
freeze thaw resistance-scaling	building material	Ba 11,19
freezing point	food and feed	L 14,45,46,47,49
fructose	food and feed	L 16,17,18,20,21, 53,55,56,57,60, 62

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parameter / method	catalogue	page
fumaric acid	food and feed	L 18,56
fumonisin	food / feed safety parameters and adulterants	SP 11,17
fungicidal / yeasticidal activity	packaging / consumer goods / plastics	B 36,54
gas transmission rate (OTR)	packaging / consumer goods / plastics	B 16,44
glass transition temperature	packaging / consumer goods / plastics	B 19
gliadin	food / feed safety parameters and adulterants	SP 13,19
glow wire ignitability temperature (GWIT)	packaging / consumer goods / plastics	B 20
gluconolacton	food and feed	L 17,54
glucose	food and feed	L 14,16,17,18,20, 21,49,53,55,56, 57,60,62
glucose - fructose ration	food and feed	L 17,55
glutamic acid	food and feed	L 19,58
gluten	food and feed	L 20,59
glycerin	food and feed	L 18,21,56,62
glycol	packaging / consumer goods / plastics	B 25,49
glyosal	packaging / consumer goods / plastics	B 23,47
glyphosat	food / feed safety parameters and adulterants	SP 11,18
gram-negative bacteria	food and feed	L 29,30
hardness	food and feed	L 15
heat transfer	building material	Ba 11,19
hesperidin	food and feed	L 17,55
HMF	food and feed	L 21,62
horse	food / feed safety parameters and adulterants	SP 13,20
hydrocyanic acid	food and feed	L 18,56
hydrostatic pressure test	packaging / consumer goods / plastics	B 32
hydroxyproline	food and feed	L 19,58
identification of variable germs	packaging / consumer goods / plastics	B 34,53
identification of variable micro organisms	food and feed	L 35,72
increase in mass	packaging / consumer goods / plastics	B 22
index Puncture Resistance	packaging / consumer goods / plastics	B 31
industrial washing and colour change	packaging / consumer goods / plastics	B 32
Infrared spectroscopy	packaging / consumer goods / plastics	B 20
injection moulding of specimen type 1A	packaging / consumer goods / plastics	B 29
inosit	food and feed	L 17,54
instrumented impact test	packaging / consumer goods / plastics	B 28
intensity estimation	packaging / consumer goods / plastics	B 38,55
iodine	food and feed	L 19,20,21,59,60, 62
IRHD-Hardness	packaging / consumer goods / plastics	B 30
iron	food and feed	L 17,20,55,60,61
iron	food / feed safety parameters and adulterants	SP 12,18
isocitric-acid	food and feed	L 17,55
isopropyl alcohol	packaging / consumer goods / plastics	B 25,49
Izod impact strength	packaging / consumer goods / plastics	B 28
lactat	food and feed	L 19,58
lactic acid	food and feed	L 14,15,16,17,18, 19,49,50,51,52, 53,55,56,58
lactic acid bacteria	food and feed	L 29
lactobacillus	food and feed	L 26,30,32,33,66, 68,70,71

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parameter / method	catalogue	page
lactose	food / feed safety parameters and adulterants	SP 13,19
lactose	food and feed	L 14,15,16,21,45, L 46,47,48,49,50, 51,52,62
lead	food / feed safety parameters and adulterants	SP 12,18
lead	packaging / consumer goods / plastics	B 24,25,26,48,49, 50
light fastness	packaging / consumer goods / plastics	B 21
listeria monocytogenes	food and feed	24,27,28,32,33, L 34,64,65,66,67, 70,71
loss of ignition	building material	Ba 11,19
magnesium	food and feed	L 17,18,20,55,56, 60,61
malic acid	food and feed	L 16,17,18,53,55, 56
maltose	food and feed	L 16,21,53,62
manganese	food and feed	L 20,61
mass per unit area of polyester and viscose	packaging / consumer goods / plastics	B 32
mass percentage of reactive CaO	building material	Ba 11,19
measuring Core Thickness	packaging / consumer goods / plastics	B 31
measuring the Nominal Thickness	packaging / consumer goods / plastics	B 31
melamine specific migration in food simulating matrix: ethanol 10%, acetic acid 1%	packaging / consumer goods / plastics	B 14,43
melt flow / volume rate	packaging / consumer goods / plastics	B 20
melt flow and volume index MFR/MVR	packaging / consumer goods / plastics	B 20
melting temperature	packaging / consumer goods / plastics	B 19
mercury	food / feed safety parameters and adulterants	SP 12,18
mercury	packaging / consumer goods / plastics	B 24,25,48,49
mesophilic total count	packaging / consumer goods / plastics	B 34,52
metabolites of nitrofurans	food / feed safety parameters and adulterants	SP 12,19
methanol	food and feed	L 18,56
methylisothiazolinone	packaging / consumer goods / plastics	B 25,26,48,50
methylparaben	packaging / consumer goods / plastics	B 25,48
milkfat	food and feed	L 15,19,20,21,59, 60,62
mineral oil residues	packaging / consumer goods / plastics	B 23,25,47,49
MOAH C10 - C50	packaging / consumer goods / plastics	B 25,49
MOAH C16-C25	packaging / consumer goods / plastics	B 23,47
MOAH C25-C35	packaging / consumer goods / plastics	B 23,47
moisture	food and feed	L 20,60,61
mono-layer films	packaging / consumer goods / plastics	B 15,43
monounsaturated fatty acids	food and feed	L 19,58
mooney viscosity	packaging / consumer goods / plastics	B 22
MOSH C10 - C50	packaging / consumer goods / plastics	B 25,49
MOSH C16-C25	packaging / consumer goods / plastics	B 23,47
MOSH C25-C35	packaging / consumer goods / plastics	B 23,47
moulds	building material	Ba 15,21
moulds	food and feed	L 24,25,28,29,64, 65,67,68
moulds	packaging / consumer goods / plastics	B 34,52,53
multi-layer films	packaging / consumer goods / plastics	B 15,43
multiple stone impact test	packaging / consumer goods / plastics	B 32
mycobactericidal / tuberculocidal activity	packaging / consumer goods / plastics	B 36,54
Mycobacterium avium	packaging / consumer goods / plastics	B 36,54
Mycobacterium terrae	packaging / consumer goods / plastics	B 36,54
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parameter / method	catalogue	page
naphthalene	packaging / consumer goods / plastics	B 25,49
natamycin	food / feed safety parameters and adulterants	SP 13,19
neutral salt spray test (NSS-test)	packaging / consumer goods / plastics	B 21
niacin (vitamin B3)	food and feed	L 17,54
nickel	packaging / consumer goods / plastics	B 24,25,26,48,49,50
nicotine	food / feed safety parameters and adulterants	SP 12,19
nitrate	food and feed	L 14,15,16,17,19,50,52,55,58
nitrite	food and feed	L 16,19,52,58
NPN	food and feed	L 14,15,19,49,51,58
o-anisidine	packaging / consumer goods / plastics	B 26,49
OC	packaging / consumer goods / plastics	B 25,49
ochratoxin	food / feed safety parameters and adulterants	SP 11,12,17,18
o-dianisidine	packaging / consumer goods / plastics	B 26,49
odourtest	packaging / consumer goods / plastics	B 21
organic carbon	building material	Ba 11,19
osmolality	food and feed	L 20,61
osmophilic moulds	food and feed	L 28,67
osmophilic yeasts	food and feed	L 28,67
o-toluidine	packaging / consumer goods / plastics	B 26,49
overall migrat in simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water	packaging / consumer goods / plastics	B 15,43
overall migration by using Tenax (MPPO) as a simulant	packaging / consumer goods / plastics	B 16,23,44,47
overall migration in food simulating matrix: ISO-octane, ethanol 95%	packaging / consumer goods / plastics	B 13,42
overall migration in food simulating matrix: olive oil	packaging / consumer goods / plastics	B 13,42
overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, olive oil	packaging / consumer goods / plastics	B 13,42
overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, olive oil	packaging / consumer goods / plastics	B 13,42
overlap	packaging / consumer goods / plastics	B
oxidation Induction time (OIT)	packaging / consumer goods / plastics	B 19
paints and varnishes - Cross-cut test	packaging / consumer goods / plastics	B 29
pantothenic acid (vitamin B5)	food and feed	L 17,20,54,60
PBSA	packaging / consumer goods / plastics	B 25,49
PCB 101	food / feed safety parameters and adulterants	SP 12,19
permeability of fabrics to air	packaging / consumer goods / plastics	B 24
peroxide	food and feed	L 21,62
peroxide value	food and feed	L 15,51
PHB-ester	food and feed	L 21,62
phenoxyethanol	packaging / consumer goods / plastics	B 25,48
phosphate	food and feed	L 18,56
phosphatides	food and feed	L 14,49
phosphatid-P2O5	food and feed	L 18,57
phosphorus	food and feed	L 14,15,16,17,20,49,50,51,53,55
pH-value	food and feed	L 14,15,16,17,18,19,21,49,50,51,52,53,54,55,57,58,62
pH-value	packaging / consumer goods / plastics	B 23,24,25,47,48
p-hydroxybenzaldehyde	food and feed	L 15,51
p-hydroxybenzoic acid	food and feed	L 15,51
pilling properties	packaging / consumer goods / plastics	B 32
pirocton-olamine	packaging / consumer goods / plastics	B 25,49

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parameter / method	catalogue	page
plastic granules	packaging / consumer goods / plastics	B 15,43
Poliovirus	packaging / consumer goods / plastics	B 36,54
Polyamide fibres / other fibres	packaging / consumer goods / plastics	B 24
polyester / cotton	packaging / consumer goods / plastics	B 24
Polyester fibres / cotton	packaging / consumer goods / plastics	B 24
potassium	food and feed	L 15,16,17,18,20, 51,53,55,56,60, 61
profile testing	food and feed	L 39,74,75
profile testing	packaging / consumer goods / plastics	B 38,55
proline	food and feed	L 21,62
propionic acid	food and feed	L 20,59
propylenglycol	food and feed	L 18,56
propylparaben	packaging / consumer goods / plastics	B 25,48
protein	food and feed	L 14,15,16,18,19, 20,21,45,46,47, 48,49,50,51,52, 57,58,59,60,61, 62
Protein fibres 7 Other fibres	packaging / consumer goods / plastics	B 24
Ps.aeruginosa	food and feed	L 35,72
Ps.aeruginosa	packaging / consumer goods / plastics	B 35,36,53,54
pseudomonas spp.	food and feed	^L 31,34,36,70,73
psychrotrophic total count	food and feed	L 23,63
pyridoxine (vitamin B6)	food and feed	L 17,21,54,62
ranking test	food and feed	L 38,39,74,75
raw protein	food and feed	L 16,18,19,20,53, 57,59,60
rebound resilience	packaging / consumer goods / plastics	B 30
relative density 20 °C / 20 °C	food and feed	L 17,18,55,56
resistance to internal pressure	packaging / consumer goods / plastics	B 29
retinolpalmitate	packaging / consumer goods / plastics	B 25,48
riboflavine (vitamin B2)	food and feed	L 17,21,54,62
roughness	packaging / consumer goods / plastics	B 21
S.aureus	packaging / consumer goods / plastics	B 35,36,53,54
saccharase number	food and feed	L 21,62
saccharin	food and feed	L 16,19,53,59
salicyclic acid	food and feed	L 18,56
salmonella spp.	food and feed	^L 24,26,27,29,30, 31,32,33,34,65, 66,68,69,70,71
saponification	food and feed	L 21,62
saturated fatty acids	food and feed	L 16,19,21,53,58, 61
scratch resistance	packaging / consumer goods / plastics	B 21
sealed-seam strength	packaging / consumer goods / plastics	B 28
seam height	packaging / consumer goods / plastics	B 31,51
seam thickness	packaging / consumer goods / plastics	B 31,51
secant modulus of elasticity	building material	Ba 13,20
security measurement	packaging / consumer goods / plastics	B 31,51
semimicro butyric acid number	food and feed	L 19,20,59,60
shigella	food and feed	L 26,66
shore-A-Hardness	packaging / consumer goods / plastics	B 30
shore-D-Hardness	packaging / consumer goods / plastics	B 28
simple descriptive testing	packaging / consumer goods / plastics	B 38,55

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parameter / method	catalogue	page
simple descriptive testing	food and feed	L 39,74,75
Slippage resistance of yarns	packaging / consumer goods / plastics	B 32
sodium	food and feed	L 14,1516,17,18,19,20,21,50,5153,55,56,58,59,60,61
sodium acetate	food and feed	L 19,58
sodium Laureth Sulfate	packaging / consumer goods / plastics	B 25,49
sodium nitrate	food and feed	L 19,58
sodium nitrite	food and feed	L 19,58
solids non-fat	food and feed	L 15,51
soluble dry matter	food and feed	L 16,53
solvent extract	packaging / consumer goods / plastics	B 22
sorbate	food and feed	L 16,53
sorbic acid	food and feed	L 16,18,19,21,53,56,57,58,59,62
sorbic acid	packaging / consumer goods / plastics	B 25,48
soy	food / feed safety parameters and adulterants	SP 11,13,18,19,20
specular gloss at 60°	packaging / consumer goods / plastics	B 21
spores of aerobic spore-forming bacteria	packaging / consumer goods / plastics	B 34,52
sporicidal activity	packaging / consumer goods / plastics	B 36,54
SRC	food and feed	L 34
β-carotene	food and feed	L 15,17,51,55
β-lacto-globuline	food / feed safety parameters and adulterants	SP 13,19
stability	building material	Ba 13,20
staphylococcus	food and feed	L 24,27,31,34,64,66,70
starch	food and feed	L 16,20,53,59,60
static E-Modulus	building material	Ba 13,20
static Puncture Test (CBR-Test)	packaging / consumer goods / plastics	B 31
steam jet test	packaging / consumer goods / plastics	B 32
sterility testing	packaging / consumer goods / plastics	B 34,52
sterilization of medical devices	packaging / consumer goods / plastics	B 36,54
sterine	food and feed	L 18,57
streptococci	food and feed	L 36,73
streptomycine	food / feed safety parameters and adulterants	SP 12,19
stress Crack Resistance	packaging / consumer goods / plastics	B 22
strontium	packaging / consumer goods / plastics	B 26,5
sucrose	food and feed	L 14,16,17,18,20,21,49,53,54,55,56,57,59,60,62
sugar	food and feed	L 17,21,55,61
sugar free extract	food and feed	L 17,55
sulfate	food and feed	L 15,18,51,56
sulfite-reducing Clostridia	food and feed	L 26,33,66,71
sulphur dioxide SO ₂	food and feed	L 16,21,53,62
sulphur dioxide SO ₂	food / feed safety parameters and adulterants	SP 12,18
sunlight simulation	packaging / consumer goods / plastics	B 21
surface bacteria count	packaging / consumer goods / plastics	B 34,52
swine	food / feed safety parameters and adulterants	SP 13,20
swine DNA	food / feed safety parameters and adulterants	SP 13,20

L = product catalogue food and feed; SP = product catalogue food / feed safety parameters and adulterants; B = product catalogue packaging / consumer goods plastics; Ba = product catalogue building material

parameter / method	catalogue	page
tartaric acid	food and feed	L 18,56
taurine	food and feed	L 17,54
tear properties - trouser shaped specimen	packaging / consumer goods / plastics	B 32
tear resistance	packaging / consumer goods / plastics	B 28,31,51
tear strength	packaging / consumer goods / plastics	B 30
temperature of deflection under load	packaging / consumer goods / plastics	B 19
Tenax	packaging / consumer goods / plastics	B 16,23,44,47
tensile creep E	packaging / consumer goods / plastics	B 28
tensile properties	packaging / consumer goods / plastics	B 30,31,32
tensile strength and elongation at break	packaging / consumer goods / plastics	B 30
tensile test	packaging / consumer goods / plastics	B 28,29,31,51
tension set	packaging / consumer goods / plastics	B 30
tension test	packaging / consumer goods / plastics	B 30
terephthalic acid specific migration in food simulating matrix: Ethanol 10%; 50%, acetic acid 3%, distilled water, vegetable oil	packaging / consumer goods / plastics	B 14,42
testing for nickel	packaging / consumer goods / plastics	B
tetracycline	food / feed safety parameters and adulterants	SP 12,19
theobromine	food and feed	L 17,21,54,62
theophylline	food and feed	L 17,54
thermal desorption analysis (VOC/FOG)	packaging / consumer goods / plastics	B 21
thermalresistant Spores of thermophilic bacteria	food and feed	L 27,66
thermoal conductivity	packaging / consumer goods / plastics	B 19
thermogravimetry (TGA)	packaging / consumer goods / plastics	B 19,22
thermophilic aerobic total count	food and feed	L 27,66
thermoplastics pipes - ring stiffness	packaging / consumer goods / plastics	B 29
thiamine (vitamin B1)	food and feed	L 17,54
thickness	packaging / consumer goods / plastics	B 31,32
threshold flavour number	food and feed	L 38,74
threshold flavour number	packaging / consumer goods / plastics	B 38,55
threshold odour number	food and feed	L 38,74
tin	food / feed safety parameters and adulterants	SP 12,18
tin	packaging / consumer goods / plastics	B 26,50
titanium dioxide	packaging / consumer goods / plastics	B 25,49
titratable acidity	food and feed	L 16,17,52,53,55
tocopherolacetat	packaging / consumer goods / plastics	B 25,48
tocopherole	food and feed	L 21,62
total acid	food and feed	L 16,18,21,53,56, 57,62
total alkaloids	food and feed	L 21,62
total carbon emission	packaging / consumer goods / plastics	B 21
total count	food and feed	L 23,24,26,27,29, 30,31,32,63,64, 65,66,67,68,69, 70,71
total lactic acid	food and feed	L 14,15,16,49,50, 51
T-Peel test	packaging / consumer goods / plastics	B 28
transparency / Haze	packaging / consumer goods / plastics	B 16
Tri(methylolpropan)triacrylate (TMPTA)CAS 15625-89-5	packaging / consumer goods / plastics	B 17,18,45,46
Tri(propylene glycol)diacrylate (TPGDA)CAS 42978-66-5	packaging / consumer goods / plastics	B 17,18,45,46
triangle test	food and feed	L 38,39,74,75
trichlormethane	food / feed safety parameters and adulterants	SP 12,19
turanose	food and feed	L 21,62
TVC 30°C	food and feed	L 34

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parameter / method	catalogue	page
TVC 55 °C	food and feed	L 34
urea	food and feed	L 14,45,46,47,49
urea	packaging / consumer goods / plastics	B 25,48
vanillic acid	food and feed	L 15,51
vanillin	food and feed	L 15,51
Vibrio spp.	food and feed	L 32,71
vicat softening point	packaging / consumer goods / plastics	B 19
vinyl acetate specific migration in food simulating matrix: ethanol 10%, ac	packaging / consumer goods / plastics	B 14,43
vinyl chloride monomer	packaging / consumer goods / plastics	B 15,43
virucidal activity	packaging / consumer goods / plastics	B 36,54
Viscose fibres / other fibres	packaging / consumer goods / plastics	B 24
viscosity number	packaging / consumer goods / plastics	B 20
vitamin A	food and feed	L 16,20,60,61
vitamin B1	food and feed	L 17,20,54,60
vitamin B11	food and feed	L 17,54
vitamin B12	food and feed	L 17,20,54,60
vitamin B2	food and feed	L 17,20,21,54,60,62
vitamin B3	food and feed	L 17,54
vitamin B5	food and feed	L 17,54
vitamin B6	food and feed	L 17,20,21,54,60,62
vitamin C	food and feed	L 16,17,20,21,52,54,60,61,62
vitamin D	food and feed	L 16,52
vitamin E	food and feed	L 17,20,54,60
volatile acid	food and feed	L 16,18,53,56
water	food and feed	L 16,17,18,19,20,21,53,54,57,59,60,62
water absorption	packaging / consumer goods / plastics	B 20
water absorption coefficient	building material	Ba 11,19
water content	food and feed	L 15,16,19,21,51,52,58,62
water content	packaging / consumer goods / plastics	B 20,25,48
water soluble ash	food and feed	L 17,54
water soluble extract	food and feed	L 17,54
Water vapour transmission rate (WDD)	packaging / consumer goods / plastics	B 16,44
wet gluten content	food and feed	L 20,59
whiteness measurement	packaging / consumer goods / plastics	B 24
wort	food and feed	L 18,56
WPNI	food and feed	L 52
xanthophyll Ester	food and feed	L 17,54
yeasts	food and feed	L 24,25,28,29,34,64,65,67,68
yersinia enterocolitica	food and feed	L 32,71
zearalenone	food / feed safety parameters and adulterants	SP 11,17
zinc	food and feed	L 20,60,61
zinc	food / feed safety parameters and adulterants	SP 12,18
zinc	packaging / consumer goods / plastics	B 25,26,48,49,50
zinc pyrithione	packaging / consumer goods / plastics	B 25,49
α-linolenic acid	food and feed	L 18
α-tocopherol (vitamin E)	food and feed	L 17,54

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matrix	catalogue	page
AMF - anhydrous milk fat	food and feed	L 15,51
animal feed	food / feed safety parameters and adulterants	SP 12,17
animal feed, microbiology	food and feed	L 33,71
anti dandruff substances	packaging / consumer goods / plastics	B 25,49
ASTM D1004	packaging / consumer goods / plastics	B 31
ASTM D1238	packaging / consumer goods / plastics	B 20
ASTM D1525	packaging / consumer goods / plastics	B 19
ASTM D2240	packaging / consumer goods / plastics	B 30
ASTM D3418	packaging / consumer goods / plastics	B 19
ASTM D3763	packaging / consumer goods / plastics	B 28
ASTM D3895	packaging / consumer goods / plastics	B 19
ASTM D412	packaging / consumer goods / plastics	B 30
ASTM D4218	packaging / consumer goods / plastics	B 22
ASTM D4833	packaging / consumer goods / plastics	B 31
ASTM D5199	packaging / consumer goods / plastics	B 31
ASTM D5397	packaging / consumer goods / plastics	B 22
ASTM D5596	packaging / consumer goods / plastics	B 22
ASTM D5994	packaging / consumer goods / plastics	B 31
ASTM D638	packaging / consumer goods / plastics	B 29
ASTM D648	packaging / consumer goods / plastics	B 19
ASTM D6693	packaging / consumer goods / plastics	B 31
ASTM D7466	packaging / consumer goods / plastics	B 31
ASTM D790	packaging / consumer goods / plastics	B 29
ASTM D792	packaging / consumer goods / plastics	B 19
ASTM G155	packaging / consumer goods / plastics	B 21
baby porridge powder	food and feed	L 20,60
barley	food / feed safety parameters and adulterants	SP 11,17
beef	food / feed safety parameters and adulterants	SP 13,18
beer	food and feed	L 18,56
beer, organoleptic	food and feed	L 39,74
beverage compounds	food and feed	L 29,68
biscuits	food / feed safety parameters and adulterants	SP 11,17
board (packaging), microbiology	packaging / consumer goods / plastics	B 34,52
board and paper, organoleptic	packaging / consumer goods / plastics	B 38,55
board, migration	packaging / consumer goods / plastics	B 23,47
boiled sausage	food and feed	L 19,58
brown rice	food / feed safety parameters and adulterants	SP 11,17
building material	building material	Ba 11,13,15,19,20,21
butter	food and feed	L 15,51
butter biscuit	food and feed	L 20,60
buttermilk	food and feed	L 14,49
CaH2-Methode	packaging / consumer goods / plastics	B 20
cans, organoleptic	packaging / consumer goods / plastics	B 38,55
cardboard migration of mineral oil	packaging / consumer goods / plastics	B 23,47
cardboard mineral oil	packaging / consumer goods / plastics	B 23,47
care products	packaging / consumer goods / plastics	B 25,48,49
carrot juice	food and feed	L 17,55
casein - caseinate	food and feed	L 16,52
cement	building material	Ba 11,19
cereal / cereal products	food / feed safety parameters and adulterants	SP 11,17
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matrix	catalogue	page
challenge test	packaging / consumer goods / plastics	B 35
cheese, chemistry	food and feed	L 14,15,50
cheese, microbiology	food and feed	L 24,64
cherry liquer	food and feed	L 18,56
chocolate, chemistry	food and feed	L 21,61,62
chocolate, microbiology	food and feed	L 33,71
chocolate, organoleptic	food and feed	L 39,75
coffee	food and feed	L 17,53
concrete	building material	Ba 13,20
consumer goods, organoleptic	packaging / consumer goods / plastics	B 38,55
consumer goods, phthalate content	packaging / consumer goods / plastics	B 15,43
consumer goods, Vinylchloride monomer	packaging / consumer goods / plastics	B 15,43
corn	food / feed safety parameters and adulterants	SP 11,17
cosmetic (O/W), microbiology	packaging / consumer goods / plastics	B 34,35,53
cosmetic, chemistry	packaging / consumer goods / plastics	B 25,48,49
cream	packaging / consumer goods / plastics	B 25,44
curd	food and feed	L 15,50
currant juice	food / feed safety parameters and adulterants	SP 12,17
dairy drinks	food and feed	L 14,49
DBL 5307 / FMVSS 302	packaging / consumer goods / plastics	B 22
DBL 5416 / ISO 16925-b	packaging / consumer goods / plastics	B 32
DBL 5416 / ISO 20576-1	packaging / consumer goods / plastics	B 32
DBL 7381.30	packaging / consumer goods / plastics	B 26
delicatessen salad	food and feed	L 21,62
dental care	packaging / consumer goods / plastics	B 25,48
Diffus / 8°-geometry	packaging / consumer goods / plastics	B 24
DIN 10955	packaging / consumer goods / plastics	B 38,55
DIN 53160-1	packaging / consumer goods / plastics	B 26
DIN 53160-2	packaging / consumer goods / plastics	B 26
DIN 53236-B	packaging / consumer goods / plastics	B 21
DIN 53435	packaging / consumer goods / plastics	B 28
DIN 54603	packaging / consumer goods / plastics	B 23
DIN 55529	packaging / consumer goods / plastics	B 28
DIN 55660-2	packaging / consumer goods / plastics	B 21
DIN 75200 / FMVSS 302	packaging / consumer goods / plastics	B 24
DIN 75201 / PV 3015	packaging / consumer goods / plastics	B 21
DIN 75220 D-IN1-T	packaging / consumer goods / plastics	B 21
DIN CEN / TE 13130-10	packaging / consumer goods / plastics	B 14
DIN CEN / TE 13130-9	packaging / consumer goods / plastics	B 14
DIN CEN / TS 13130-13	packaging / consumer goods / plastics	B 14
DIN CEN / TS 13130-23	packaging / consumer goods / plastics	B 14
DIN EN 1230	packaging / consumer goods / plastics	B 38,55
DIN EN 14576	packaging / consumer goods / plastics	B 22
DIN EN 60695-2-13	packaging / consumer goods / plastics	B 20
DIN EN ISO 14125	packaging / consumer goods / plastics	B 30
DIN EN ISO 14126	packaging / consumer goods / plastics	B 30
DIN EN ISO 14129	packaging / consumer goods / plastics	B 30
DIN EN ISO 14130	packaging / consumer goods / plastics	B 30
disinfectant	packaging / consumer goods / plastics	B 36,54
dried fruits	food and feed	L 16,53
drinking water, microbiology	food and feed	L 35,72

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matrix	catalogue	page
drinking water, organoleptic	food and feed	L 38,74
edible fat	food and feed	L 21,62
edible fat and edible oil mineral oil	packaging / consumer goods / plastics	B 23,47
egg pasta	food and feed	L 18,57
egg products, chemistry	food and feed	L 18,57
egg products, microbiology	food and feed	L 30,69
EN 1015-10	building material	Ba 11,19
EN 1015-11	building material	Ba 13,20
EN 1015-12	building material	Ba 13,20
EN 1107-2	packaging / consumer goods / plastics	B 31
EN 1186-13	packaging / consumer goods / plastics	B 13,16
EN 1186-14	packaging / consumer goods / plastics	B 13
EN 1186-15	packaging / consumer goods / plastics	B 13
EN 1186-2	packaging / consumer goods / plastics	B 13
EN 1186-3	packaging / consumer goods / plastics	B 13
EN 1186-4	packaging / consumer goods / plastics	B 13
EN 1186-5	packaging / consumer goods / plastics	B 13
EN 1186-8	packaging / consumer goods / plastics	B 13
EN 1186-9	packaging / consumer goods / plastics	B 13
EN 12127 ISO 3801	packaging / consumer goods / plastics	B 32
EN 12390-13 (Methode A)	building material	Ba 13,20
EN 12390-13 (Methode B)	building material	Ba 13,20
EN 12390-3	building material	Ba 13,20
EN 12390-5	building material	Ba 13,20
EN 12390-7	building material	Ba 11,19
EN 12390-9	building material	Ba 11,19
EN 12667	building material	Ba 11,19
EN 13130-16	packaging / consumer goods / plastics	B 13
EN 13130-26	packaging / consumer goods / plastics	B 13
EN 13130-3	packaging / consumer goods / plastics	B 14
EN 13130-7	packaging / consumer goods / plastics	B 14
EN 13639	building material	Ba 11,19
EN 13892-2	building material	Ba 13,20
EN 14338	packaging / consumer goods / plastics	B 23
EN 14362-1	packaging / consumer goods / plastics	B 24,48
EN 14629	building material	Ba 11,19
EN 1541	packaging / consumer goods / plastics	B 23
EN 1811	packaging / consumer goods / plastics	B 26
EN 196-1	building material	Ba 13,20
EN 196-2	building material	Ba 11,19
EN 20811	packaging / consumer goods / plastics	B 32
EN 29052-1 (1992)	building material	Ba 13,20
EN 450-1	building material	Ba 11,19
EN 646	packaging / consumer goods / plastics	B 23
EN 648	packaging / consumer goods / plastics	B 23
EN ISO 15148	building material	Ba 11,19
energydrink	food and feed	L 17,53
evaporated milk	food and feed	L 14,49
extract	packaging / consumer goods / plastics	B 23,47
fatty foodstuffs mineral oil	packaging / consumer goods / plastics	B 23,47

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matrix	catalogue	page
fish paste	food and feed	L 19,59
flexible or semi-rigid container	packaging / consumer goods / plastics	B 31,51
flour	food and feed	L 20,59
fly ash	building material	Ba 11,19
FMVSS 302/DIN 75200	packaging / consumer goods / plastics	B 20
foil (migration)	packaging / consumer goods / plastics	B 13,14,15,16,42,43,44
foil packaging, microbiology	packaging / consumer goods / plastics	B 34,52
foodstuff mineral oil	packaging / consumer goods / plastics	B 23,47
fresh cheese	food and feed	L 15,50
fruit juice concentrate, chemistry	food and feed	L 17,55
fruit juice concentrate, microbiology	food and feed	L 29,30,68
fruit juice, chemistry	food and feed	L 17,55
fruit juice, microbiology	food and feed	L 29,68
fruit juice, organoleptic	food and feed	L 38,74
fruit preparation	food and feed	L 16,53
fruit preparation, microbiology	food and feed	L 28,67
fruit spirit	food and feed	L 18,56
Ganz acc. To	packaging / consumer goods / plastics	B 24
gelatine	food / feed safety parameters and adulterants	SP 13,18
gelatine, microbiology	food and feed	L 33,71
glass, twist-off closure	packaging / consumer goods / plastics	B 31,51
gluten	food and feed	L 20,60
gluten feed	food / feed safety parameters and adulterants	SP 12,17
GMO	food / feed safety parameters and adulterants	SP 13,20
goat's milk	food and feed	L 14,49
grape juice	food / feed safety parameters and adulterants	SP 12,17
ground meat, microbiology	food and feed	L 31,32,70
hard cheese	food and feed	L 15,50
hardened concrete	building material	Ba 11,13,19,20
hen's egg	food / feed safety parameters and adulterants	SP 12,18
herbage, microbiology	food and feed	L 33,71
honey	food and feed	L 21,62
horse, swine	food / feed safety parameters and adulterants	SP 13,18
ice cream, chemistry	food and feed	L 15,51
ice-cream, microbiology	food and feed	L 24,65
infant food, microbiology	food and feed	L 34
insulating material	building material	Ba 11,19
ISO 105-B02	packaging / consumer goods / plastics	B 24
ISO 105-B04	packaging / consumer goods / plastics	B 24
ISO 105-C06/C2S	packaging / consumer goods / plastics	B 24
ISO 105-C08	packaging / consumer goods / plastics	B 24
ISO 105-D01	packaging / consumer goods / plastics	B 24
ISO 105-E01	packaging / consumer goods / plastics	B 24
ISO 105-E04	packaging / consumer goods / plastics	B 24
ISO 1133	packaging / consumer goods / plastics	B 20
ISO 1133-1/-2	packaging / consumer goods / plastics	B 20
ISO 11339	packaging / consumer goods / plastics	B 28
ISO 11357-2	packaging / consumer goods / plastics	B 19,22
ISO 11357-3	packaging / consumer goods / plastics	B 19,24
ISO 11357-6	packaging / consumer goods / plastics	B 19
ISO 11357-7	packaging / consumer goods / plastics	B 19
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matrix	catalogue	page
ISO 11358	packaging / consumer goods / plastics	B 19,22
ISO 11359	packaging / consumer goods / plastics	B 19
ISO 11443	packaging / consumer goods / plastics	B 20
ISO 1167-1/-2	packaging / consumer goods / plastics	B 29
ISO 1172	packaging / consumer goods / plastics	B 19
ISO 11737-1	packaging / consumer goods / plastics	B 36,54
ISO 1183-1	packaging / consumer goods / plastics	B 19
ISO 12236	packaging / consumer goods / plastics	B 31
ISO 12945-1	packaging / consumer goods / plastics	B 32
ISO 12945-2	packaging / consumer goods / plastics	B 32
ISO 12947-2	packaging / consumer goods / plastics	B 32
ISO 13934-1	packaging / consumer goods / plastics	B 32
ISO 13934-2	packaging / consumer goods / plastics	B 32
ISO 13936-1/-2	packaging / consumer goods / plastics	B 32
ISO 13937-1	packaging / consumer goods / plastics	B 32
ISO 13937-2	packaging / consumer goods / plastics	B 32
ISO 13937-3	packaging / consumer goods / plastics	B 32
ISO 13938-2	packaging / consumer goods / plastics	B 32
ISO 1407	packaging / consumer goods / plastics	B 22
ISO 14782	packaging / consumer goods / plastics	B 16
ISO 150-X12	packaging / consumer goods / plastics	B 32
ISO 15105-2	packaging / consumer goods / plastics	B 16,44
ISO 15106-3	packaging / consumer goods / plastics	B 16,44
ISO 1518	packaging / consumer goods / plastics	B 21
ISO 15512	packaging / consumer goods / plastics	B 20
ISO 15797	packaging / consumer goods / plastics	B 32
ISO 1628-5	packaging / consumer goods / plastics	B 20
ISO 17454	packaging / consumer goods / plastics	B 29
ISO 178	packaging / consumer goods / plastics	B 29
ISO 179-1	packaging / consumer goods / plastics	B 28,29
ISO 179-1/1eA	packaging / consumer goods / plastics	B 28
ISO 179-1/1eU	packaging / consumer goods / plastics	B 28
ISO 1798	packaging / consumer goods / plastics	B 30
ISO 180	packaging / consumer goods / plastics	B 28
ISO 1817	packaging / consumer goods / plastics	B 22
ISO 1833-11	packaging / consumer goods / plastics	B 24
ISO 1833-12	packaging / consumer goods / plastics	B 24
ISO 1833-4	packaging / consumer goods / plastics	B 24
ISO 1833-6	packaging / consumer goods / plastics	B 24
ISO 1833-7	packaging / consumer goods / plastics	B 24
ISO 1856	packaging / consumer goods / plastics	B 30
ISO 1920-10 (ISO 6784)	building material	Ba 13,20
ISO 2039-1	packaging / consumer goods / plastics	B 28
ISO 2207-4	packaging / consumer goods / plastics	B 19
ISO 2285	packaging / consumer goods / plastics	B 30
ISO 25178-2	packaging / consumer goods / plastics	B 21
ISO 2781	packaging / consumer goods / plastics	B 22
ISO 2813	packaging / consumer goods / plastics	B 21
ISO 289-1	packaging / consumer goods / plastics	B 22
ISO 306	packaging / consumer goods / plastics	B 19
ISO 307	packaging / consumer goods / plastics	B 20
ISO 3071	packaging / consumer goods / plastics	B 24

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matrix	catalogue	page
ISO 3386-1 / DBL 5452	packaging / consumer goods / plastics	B 30
ISO 34-1	packaging / consumer goods / plastics	B 30
ISO 37	packaging / consumer goods / plastics	B 30
ISO 4287	packaging / consumer goods / plastics	B 21
ISO 4287 / ISO 4288	packaging / consumer goods / plastics	B 21
ISO 4593	packaging / consumer goods / plastics	B 28,51
ISO 4649	packaging / consumer goods / plastics	B 30
ISO 4662	packaging / consumer goods / plastics	B 30
ISO 4892-2	packaging / consumer goods / plastics	B 21
ISO 48-M	packaging / consumer goods / plastics	B 30
ISO 48-N	packaging / consumer goods / plastics	B 30
ISO 4982-3	packaging / consumer goods / plastics	B 21
ISO 5077 ISO 6330	packaging / consumer goods / plastics	B 32
ISO 527-1/-2	packaging / consumer goods / plastics	B 28,29
ISO 527-1/-3	packaging / consumer goods / plastics	B 31
ISO 527-1/-4	packaging / consumer goods / plastics	B 30
ISO 527-1/-5	packaging / consumer goods / plastics	B 30
ISO 527-3	packaging / consumer goods / plastics	B 28,51
ISO 604	packaging / consumer goods / plastics	B 28
ISO 62	packaging / consumer goods / plastics	B 20
ISO 6383-1	packaging / consumer goods / plastics	B 28,51
ISO 6383-2	packaging / consumer goods / plastics	B 28,51
ISO 6603-2	packaging / consumer goods / plastics	B 28
ISO 6721-10	packaging / consumer goods / plastics	B 20
ISO 6721-5	packaging / consumer goods / plastics	B 29
ISO 75	packaging / consumer goods / plastics	B 19
ISO 7724 / DIN 53236-B	packaging / consumer goods / plastics	B 21
ISO 815	packaging / consumer goods / plastics	B 30
ISO 815-2	packaging / consumer goods / plastics	B 30
ISO 8295	packaging / consumer goods / plastics	B 28,51
ISO 845	packaging / consumer goods / plastics	B 22
ISO 868	packaging / consumer goods / plastics	B 28
ISO 868 / ISO 7619-1	packaging / consumer goods / plastics	B 30
ISO 899-1	packaging / consumer goods / plastics	B 28
ISO 9073-12	packaging / consumer goods / plastics	B 24
ISO 9073-2	packaging / consumer goods / plastics	B 32
ISO 9227 point 3.2.2	packaging / consumer goods / plastics	B 21
ISO 9237	packaging / consumer goods / plastics	B 24
ISO 9352	packaging / consumer goods / plastics	B 29
ISO 9863-1	packaging / consumer goods / plastics	B 31
ISO 9969	packaging / consumer goods / plastics	B 29
jar food	food and feed	L 20,60
jewellery	packaging / consumer goods / plastics	B 26,50
limestone	building material	Ba 11,19
lotion	packaging / consumer goods / plastics	B 25,48
mayonnaise, chemistry	food and feed	L 18,57
mayonnaise, microbiology	food and feed	L 30,69
medical devices	packaging / consumer goods / plastics	B 36,54
migration	packaging / consumer goods / plastics	B 13,14,15,16,42,43,44
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matrix	catalogue	page
migration of printing ink	packaging / consumer goods / plastics	B 17,18,45,46
milk	food / feed safety parameters and adulterants	SP 12,18
milk powder	food / feed safety parameters and adulterants	SP 13,18
milk powder, chemistry	food and feed	L 16,20,52,61
milk powder, microbiology	food and feed	L 25,26,27,65,66
milk, chemistry	food and feed	L 14,45,46,49
milk, microbiology	food and feed	L 23,63
mineral water	packaging / consumer goods / plastics	B 16,44
mineral water and table water	food and feed	L 36,73
mono-layer plastic film	packaging / consumer goods / plastics	B 15,43
mortar for masonry	building material	Ba 11,13,19,20
multi-layer plastic film	packaging / consumer goods / plastics	B 15,43
mustard	food and feed	L 21,61,62
orange juice	food / feed safety parameters and adulterants	SP 12,17
orange juice	food and feed	L 17,53
packaging, organoleptic	packaging / consumer goods / plastics	B 38,55
paper, migration	packaging / consumer goods / plastics	B 23,47
pasteurised milk	food and feed	L 46
patries	food and feed	L 20,59
pet food	food / feed safety parameters and adulterants	SP 12,17
plastic granules	packaging / consumer goods / plastics	B 15,43
plastics (migration)	packaging / consumer goods / plastics	B 13,14,15,16,42,43,44
porcine	food / feed safety parameters and adulterants	SP 13,18
potato product (dry)	food and feed	L 16,53
poultry	food and feed	L 32,70
prepared meal	food and feed	L 33,71
printing ink constituents	packaging / consumer goods / plastics	B 17,18,45,46
processed cheese	food / feed safety parameters and adulterants	SP 13,18
processed cheese, chemistry	food and feed	L 14,15,50
processed cheese, microbiology	food and feed	L 24,64
protein powder	food and feed	L 21,62
pudding - dessert	food and feed	L 15,51
PV 3952	packaging / consumer goods / plastics	B 21
PV 3975	packaging / consumer goods / plastics	B 29
raw cream	food and feed	L 14,47,49
raw milk	food and feed	L 14,45,49
raw sausage	food and feed	L 19,58
rice wafers	food / feed safety parameters and adulterants	SP 11,17
sauce	food and feed	L 16,53
sauerkraut	food and feed	L 16,53
seafood	food and feed	L 32,71
semi hard cheese	food and feed	L 15,50
shampoo	packaging / consumer goods / plastics	B 25,48
skimmed milk powder	food and feed	L 16,52
soap	packaging / consumer goods / plastics	B 25,48
soft cheese	food and feed	L 15,50
solvents	packaging / consumer goods / plastics	B 25,49
sour cream - crème fraiche	food and feed	L 14,49
spice powder	food and feed	L 33,71
sugar mix (fruit preparation)	food and feed	L 16,53
L = product catalogue food and feed; SP = product catalogue food / feed safety parameters and adulterants; B = product catalogue packaging / consumer goods plastics; Ba = product catalogue building material		

matrix	catalogue	page
sugar solution	food and feed	L 28,67
surface- and waste water (bath water)	food and feed	L 36,73
swine feed	food / feed safety parameters and adulterants	SP 12,17
synthetic samples	packaging / consumer goods / plastics	B 15,18,43,46
tattoo ink, chemistry	packaging / consumer goods / plastics	B 35,53
tattoo ink, microbiology	packaging / consumer goods / plastics	B 26,49
tea, chemistry	food and feed	L 17,53
tea, microbiology	food and feed	L 29
textiles	packaging / consumer goods / plastics	B 24,48
threshold value examination off flavour	packaging / consumer goods / plastics	B 38,55
tinned food, microbiology	packaging / consumer goods / plastics	B 34,52
tinplate cans	packaging / consumer goods / plastics	B 31,51
tomato juice	food / feed safety parameters and adulterants	SP 12,17
tomato ketchup	food and feed	L 16,53
toys	packaging / consumer goods / plastics	B 26,50
UHT milk	food and feed	L 14,49
UL 94 HB	packaging / consumer goods / plastics	B 20
UL 94 V	packaging / consumer goods / plastics	B 20
UV filter	packaging / consumer goods / plastics	B 25,49
VDA 270 / PV 3900	packaging / consumer goods / plastics	B 21
VDA 275 / PV 3925	packaging / consumer goods / plastics	B 21
VDA 277 / PV 3341	packaging / consumer goods / plastics	B 21
VDA 278	packaging / consumer goods / plastics	B 21
VDA 75202 / ISO 105-B06	packaging / consumer goods / plastics	B 21
vegetables, microbiology	food and feed	L 28,67
vegetarian sausage substitute	food and feed	L 19,58
vitamin solution	food and feed	L 17,53
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wheat	food / feed safety parameters and adulterants	SP 11,17
whey	food and feed	L 15,51
whey concentrate	food and feed	L 48
whey powder	food and feed	L 16,52
whole milk powder	food and feed	L 16,52
wine	food and feed	L 18,56
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yoghurt, chemistry	food and feed	L 15,51
yoghurt, organoleptic	food and feed	L 39,75
L = product catalogue food and feed; SP = product catalogue food / feed safety parameters and adulterants; B = product catalogue packaging / consumer goods plastics; Ba = product catalogue building material		