

Dear customers

through a lot of developments in all matrices, we offer this year a comprehensive proficiency testing program with many new developments in the field of **consumer goods**.

We are pleased to present you our quality assurance program in the field of the **chemical-physical** analytic of **“films”, “paper/board”, “textiles”, “tattoo ink”, “jewellery”, “cosmetics”, “printing inks”, “toys”** and **“cleaning agent”**.

## Product catalogue consumer goods

### **Chemical-physical proficiency testing schemes FILMS:**

- **overall migration one sided contact EN 1186-5; 1186-4 (October 2018)**  
Article No. 2010073 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil
- **overall migration total immersion EN 1186-2; EN 1186-3 (November 2018)**  
Article No. 2010304 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil
- **overall migration by article filling EN 1186-9; EN 1186-8 (July 2018)**  
Article No. 2010570 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, olive oil
- **specific migration (caprolactam) EN 13130-16 (December 2018)**  
Article No. 2010075 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
specific migration of caprolactam in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil
- **specific migration (1-octen) EN 13130-26 (July 2018)**  
Article No. 2010306 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
specific migration of 1-octen in food simulating matrix: ethanol 50%, 95% ,vegetable oil
- **specific migration (acrylonitrile) EN 13130-3 (August 2018)**  
Article No. 2010308 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
specific migration of acrylonitrile in food simulating matrix: ethanol 10%, acetic acid 3%, distilled water, olive oil
- **specific migration (terephthalic acid) EN 13130-2 3 (August 2018)**  
Article No. 2010310 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
specific migration of terephthalic acid in food simulating matrix: Ethanol 10%; 50%, acetic acid 3%, distilled water, vegetable oil
- **testing of Bisphenol A DIN CEN /TS 13130-13 (September 2018)**  
Article No. 2010578 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
testing of Bisphenol A in food simulating matrix: distilled water, acetic acid 3%, ethanol 10%, vegetable oil
- **testing of formaldehyde DIN CEN /TS 13130-23 (August 2018)**  
Article No. 2010580 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
testing of formaldehyde in food simulating matrix: distilled water, acetic acid 3%, ethanol 10%, vegetable oil
- **identification of film material: mono-layer plastic film (September 2018)**  
Article No. 2010115 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
qualitative identification of mono films
- **determination of overall migrat on synthetic samples (July 2018)**  
Article No. 2010322 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
determination of overall migrat in simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water
- **determination of the phthalate content in consumer goods (October 2018)**  
Article No. 2010582 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
DBP, BBP, DEHP, DNOP, DINP, DIDP
- **determination of vinylchloride monomer in synthetic sample (October 2018)**  
Article No. 2010584 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
vinyl chloride monomer
- **Acetaldehyde in mineral water (November 2018)**  
Article No. 2010634 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
Acetaldehyde

## **Chemical-physical proficiency testing schemes PAPER / BOARD:**

- **mineral oil in cardboard (November 2018)**  
Article No. 2010318 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
MOSH C16-C25, MOSH C25-C35; MOAH C16-C25, MOAH C25-C35
- **mineral oil in fatty foodstuff (July 2018)**  
Article No. 2010590 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
MOSH C16-C25, MOSH C25-C35; MOAH C16-C25, MOAH C25-C35
- **mineral oil in edible fat and edible oil (August 2018)**  
Article No. 2010320 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
MOSH C16-C25, MOSH C25-C35, MOAH C16-C25, MOAH C25-C35
- **migration from paper and board using MPPO as a simulant EN 14338 (November 2018)**  
Article No. 2010620 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
overall migration by using Tenax (MPPO) as a simulant
- **pH value in aqueous extract (cold and hot) (November 2018)**  
Article No. 2010640 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
pH value
- **formaldehyde in aqueous extract EN 1541 (July 2018)**  
Article No. 2010642 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
formaldehyde (cold water extract)
- **colour fastness of dyed paper and board (EN 646) (August 2018)**  
Article No. 2010646 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
testing with distilled water, acetic acid 3%, olive oil, saliva simulant
- **colour fastness of fluorescent whitened paper and board (EN 648) (August 2018)**  
Article No. 2010648 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
testing with distilled water, acetic acid 3%, olive oil, saliva simulant

## **Chemical-physical proficiency testing schemes TEXTILES:**

- **extractable heavy metals in textiles (July 2018)**  
Article No. 2010324 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
cadmium, lead, nickel, mercury, chromium
- **flameretardants (December 2018)**  
Article No. 2010326 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
quantitative determination of flame retardants
- **azo dyes (November 2018)**  
Article No. 2010328 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
qualitative determination of aromatic amines derived from azo dyes acc. EN 14362-1

## **Chemical-physical proficiency testing schemes TATTOO INK:**

- **preservatives in tattoo ink (October 2018)**  
Article No. 2010338 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
benzisothiazolinone (BIT)
- **aromatic amines in tattoo ink (October 2018)**  
Article No. 2010340 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
aniline, o-Anisidine, o-toluidine, 5-nitro-o-toluidine, o-dianisidine

## **Chemical-physical proficiency testing schemes JEWELLERY:**

- **jewellery (acc. to EN 1811) (July 2018)**  
Article No. 2010568 *more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)*  
testing for nickel release

## **Chemical-physical proficiency testing schemes COSMETICS:**

- **care products (October 2018)**  
Article No. 2010206 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
methylparaben, ethylparaben, propylparaben, butylparaben, phenoxyethanol, benzoic acid, sorbic acid, formaldehyde, methylisothiazolinone (minimum 5 of the parameters quantitative)
- **shampoo, lotion (August 2018)**  
Article No. 3010015 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
fat, density, pH-value, dry residue, water content, urea
- **cream, lotion (September 2018)**  
Article No. 2010201 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
dexpanthenol, tocopherolacetat, retinolpalmitate
- **dental care (October 2018)**  
Article No. 3010017 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
fluoride
- **metals in cosmetics (August 2018)**  
Article No. 2010332 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
aluminium, copper, zinc
- **heavy metals in cosmetics (October 2018)**  
Article No. 2010700 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
lead, arsenic, antimony, nickel, cobalt, zinc, mercury
- **PAH in decorative cosmetics (November 2018)**  
Article No. 2010336 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
naphthalene, anthracene, benzo(a)anthracene, chrysene, benzo(b)fluoranthren, benzo(k)fluoranthren, benzo(j)fluoranthren, benzo(e)pyren, benzo(a)pyren, dibenz(ah)anthracene (minimum 5 of the parameters quantitative)
- **solvents (August 2018)**  
Article No. 2010652 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
ethanol, isopropyl alcohol, acetone, glycol

## **Chemical-physical proficiency testing schemes PRINTING INKS:**

- **printing ink constituents in synthetic samples – monomers -round 3- (September 2018)**  
Article No. 2010193 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
CAS 94108-97-1: Di(tri-methylolpropan)tetraacrylat (Di-TMPTA),  
CAS 57472-68-1: Dipropylene glycol diacrylate (DPGDA),  
CAS 42978-66-5: Tri(propylene glycol)diacrylate (TPGDA),  
CAS 15625-89-5: Tri(methylolpropan)triacrylate (TMPTA)
- **printing ink constituents in synthetic samples - initiators (November 2018)**  
Article No. 3010019 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
CAS 119313-12-1: 1-Butanone,2-(dimethylamino)-1-(4-(4-morpholinyl)phenyl)-2-(phenylmethyl)-  
CAS 84434-11-7: 2,4,6-trimethylbenzoylphenyl phosphinate  
CAS 272460-97-6: 1-Propanone,1-[4-[(4-benzoylphenyl)thio]phenyl]-2-methyl-2-[(4-methylphenyl)sulfonyl]-,  
CAS 162881-26-7: Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide

## **Chemical-physical proficiency testing schemes TOYS:**

- **colourfastness of articles for common use (acc. to DIN 53160-1)- (November 2018)**  
Article No. 2010564 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
Test with artificial saliva
- **colourfastness of articles for common use (acc. to DIN 53160-2)(November 2018)**  
Article No. 2010566 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
Test with artificial sweat
- **toys on water basis (November 2018)**  
Article No. 2010626 more information you can find at [www.odin.drkk.de](http://www.odin.drkk.de)  
chloromethylisothiazolinone (CMI), methylisothiazolinone (MI), benzisothiazolinone (BIT)

## **Chemical-physical proficiency testing schemes CLEANING AGENT:**

- **oxidizing agent (October 2018)**  
Article No. 2010916 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
sodium hypochlorite, hydrogen peroxide, percarbonate
- **alcohol-based cleaner (October 2018)**  
Article No. 2010922 more information you can find at [www.odin.drrr.de](http://www.odin.drrr.de)  
ethanol

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### **Have we sparked your interests?**

More information concerning the proficiency testing schemes as well as the prices and the order form you can find in the attached special supplement, in our product catalogue, on our website <http://www.DRRR.de/en/catalogue/> and in our Online Data Information Network (**ODIN**).

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For questions and suggestions do not hesitate to contact us!

Yours DRRR-Team

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# chemical-physical proficiency testing

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## films

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010073	overall migration one sided contact EN 1186-5; 1186-4	overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil	Oct-18	349,00 €	123,00 €
2010304	overall migration total immersion EN 1186-2; EN 1186-3	overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil	Nov-18	349,00 €	123,00 €
2010570	overall migration by article filling EN 1186-9; EN 1186-8	overall migration in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, olive oil	Jul-18	349,00 €	123,00 €
2010075	specific migration (caprolactam) EN 13130-16	specific migration of caprolactam in food simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water, vegetable oil	Dec-18	349,00 €	123,00 €
2010306	specific migration (1-octen) EN 13130-26	specific migration of 1-octen in food simulating matrix: ethanol 50%, 95% ,vegetable oil	Jul-18	349,00 €	123,00 €
2010308	specific migration (acrylonitrile) EN 13130-3	specific migration of acrylonitrile in food simulating matrix: ethanol 10%, acetic acid 3%, distilled water, olive oil	Aug-18	349,00 €	123,00 €
2010310	specific migration (terephthalic acid) EN 13130-2	specific migration of terephthalic acid in food simulating matrix: Ethanol 10%; 50%, acetic acid 3%, distilled water, vegetable oil	Aug-18	349,00 €	123,00 €
2010578	testing of Bisphenol A DIN CEN /TS 13130-13	testing of Bisphenol A in food simulating matrix: distilled water, acetic acid 3%, ethanol 10%, vegetable oil	Sep-18	349,00 €	123,00 €
2010580	testing of formaldehyde DIN CEN /TS 13130-23	testing of formaldehyde in food simulating matrix: distilled water, acetic acid 3%, ethanol 10%, vegetable oil	Aug-18	349,00 €	123,00 €

\* price only valid by online result release and report in ODIN / price for result release by mail/fax plus 30,00 € /  
price for report by post plus 40,00 €

\*\* additional submitted result sheets by e-mail, post or fax will be charged as additional sample sets

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## films

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010115	identification of film material: mono-layer plastic film	qualitative identification of mono films	Sep-18	349,00 €	123,00 €
2010322	determination of overall migrat on synthetic samples	determination of overall migrat in simulating matrix: ethanol 10%; 20%; 50%, acetic acid 3%, distilled water	Jul-18	349,00 €	123,00 €
2010582	determination of the phthalate content in consumer goods	DBP, BBP, DEHP, DNOP, DINP, DIDP	Oct-18	419,00 €	250,00 €
2010584	determination of vinylchloride monomer in synthetic sample	vinyl chloride monomer	Oct-18	349,00 €	123,00 €
2010634	Acetaldehyde in mineral water	acetaldehyde	Nov-18	349,00 €	123,00 €

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## paper / board

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010318	mineral oil in cardboard	MOSH C16-C25, MOSH C25-C35; MOAH C16-C25, MOAH C25-C35	Nov-18	359,00 €	123,00 €
2010590	mineral oil in fatty foodstuff	MOSH C16-C25, MOSH C25-C35; MOAH C16-C25, MOAH C25-C35	Jul-18	359,00 €	123,00 €
2010320	mineral oil in edible fat and edible oil	MOSH C16-C25, MOSH C25-C35, MOAH C16-C25, MOAH C25-C35	Aug-18	359,00 €	123,00 €
2010620	migration from paper and board using MPPO as a simulant EN 14338	overall migration by using Tenax (MPPO) as a simulant	Nov-18	349,00 €	123,00 €
2010640	pH value in aqueous extract (cold and hot)	pH value	Nov-18	349,00 €	123,00 €
2010642	formaldehyde in aqueous extract EN 1541	formaldehyde (cold water extract)	Jul-18	349,00 €	123,00 €
2010646	colour fastness of dyed paper and board (EN 646)	testing with distilled water, acetic acid 3%, olive oil, saliva simulant	Aug-18	349,00 €	123,00 €
2010648	colour fastness of fluorescent whitened paper and board (EN 648)	testing with distilled water, acetic acid 3%, olive oil, saliva simulant	Aug-18	349,00 €	123,00 €

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# chemical-physical proficiency testing

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## textiles

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010324	extractable heavy metals in textiles	cadmium, lead, nickel, mercury, chromium	July 18	349,00 €	123,00 €
2010326	flameretardants	quantitative determination of flame retardants	Dec-18	349,00 €	123,00 €
2010328	azo dyes	qualitative determination of aromatic amines derived from azo dyes acc. EN 14362-1	Nov-18	349,00 €	123,00 €

## tattoo ink

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010338	preservatives in tattoo ink	benzothiazolinone (BIT)	Oct-18	230,00 €	77,00 €
2010340	aromatic amines in tattoo ink	aniline, o-Anisidine, o-toluidine, 5-nitro-o-toluidine, o-dianisidine	Oct-18	349,00 €	123,00 €

## jewellery

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010568	jewellery (acc. to EN 1811)	testing for nickel release	Jul-18	349,00 €	123,00 €

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# chemical-physical proficiency testing

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## cosmetics

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010206	care products	methylparaben, ethylparaben, propylparaben, butylparaben, phenoxyethanol, benzoic acid, sorbic acid, formaldehyde, methylisothiazolinone (minimum 5 of the parameters quantitative)	Oct-18	349,00 €	123,00 €
3010015	shampoo, lotion	fat, density, pH-value, dry residue, water content, urea	Aug-18	349,00 €	123,00 €
2010201	cream, lotion	dexpanthenol, tocopherolacetat, retinolpalmitate	Sep-18	349,00 €	123,00 €
3010017	dental care	fluoride	Oct-18	349,00 €	123,00 €
2010332	metals in cosmetics	aluminium, copper, zinc	Aug-18	349,00 €	123,00 €
2010700	heavy metals in cosmetics	lead, arsenic, antimony, nickel, cobalt, zinc, mercury	Oct-18	349,00 €	123,00 €
2010336	PAH in decorative cosmetics	naphthalene, anthracene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(j)fluoranthene, benzo(e)pyrene, benzo(a)pyrene, dibenz(ah)anthracene (minimum 5 of the parameters quantitative)	Nov-18	349,00 €	123,00 €
2010652	solvents	ethanol, isopropyl alcohol, acetone, glycol	Aug-18	349,00 €	123,00 €

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# chemical-physical proficiency testing

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## printing inks

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010193	printing ink constituents in synthetic samples - monomers -round 3-	CAS 94108-97-1: Di(tri-methylolpropan)tetraacrylat (Di-TMPTA), CAS 57472-68-1: Dipropylene glycol diacrylate (DPGDA), CAS 42978-66-5: Tri(propylene glycol)diacrylate (TPGDA), CAS 15625-89-5: Tri(methylolpropan)triacrylate (TMPTA)	Sep-18	510,00 €	177,00 €
3010019	printing ink constituents in synthetic samples - initiators -round 4-	CAS 119313-12-1: 1-Butanone,2-(dimethylamino)-1-(4-(4-morpholinyl)phenyl)-2-(phenylmethyl)- CAS 84434-11-7: 2,4,6-trimethylbenzoylphenyl phosphinate CAS 272460-97-6: 1-Propanone,1-[4-[(4-benzoylphenyl)thio]phenyl]-2-methyl-2-[(4-methylphenyl)sulfonyl]-, CAS 162881-26-7: Bis(2,4,6-trimethylbenzoyl)-phenylphosphineoxide	Nov-18	510,00 €	177,00 €

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## toys

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010564	colourfastness of articles for common use (acc. to DIN 53160-1)	Test with artificial saliva	Jun-18	349,00 €	123,00 €
2010566	colourfastness of articles for common use (acc. to DIN 53160-2)	Test with artificial sweat	Jun-18	349,00 €	123,00 €
2010626	toys on water basis	chloromethylisothiazolinone (CMI), methylisothiazolinone (MI), benzisothiazolinone (BIT)	Apr-18	349,00 €	123,00 €

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# chemical-physical proficiency testing

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## cleaning agent

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010916	° oxidizing agent	sodium hypochlorite, hydrogen peroxide, percarbonate	Oct-18	330,00 €	120,00 €
2010922	° alcohol-based cleaner	ethanol	Oct-18	200,00 €	75,00 €

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° This proficiency testings schemes are not in the scope of accreditation.

