

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 **food**.

We are pleased to present you our quality assurance program in the field of the **chemical-physical, bio-chemical and organoleptic** analytic of **“cheese”, “other milk products”, “non-alcoholic beverages”, “egg products”, “declaration nutritional values”, “fish and seafood”, “determination of animal species”, and “GMO”**.

Product catalogue food and feed

chemical-physical proficiency testing schemes CHEESE:

- **Fresh cheese 2 (October 2018)**

Article No. 2010380 *more information you can find at www.odin.drrr.de*
fat, dry matter, protein, total lactic acid

- **Curd (October 2018)**

Article No. 2010164 *more information you can find at www.odin.drrr.de*
fat, dry matter, protein, total lactic acid

chemical-physical proficiency testing schemes other MILK PRODUCTS:

- **Butter (September 2018)**

Article No. 2010009 *more information you can find at www.odin.drrr.de*
solids non-fat, water content, hardness, pH value, cholesterol, optional sodium chloride (depends on the condition of the butter)

- **Yoghurt (November 2018)**

Article No. 2010017 *more information you can find at www.odin.drrr.de*
fat, dry matter, protein, pH value, total lactic acid

chemical-physical proficiency testing schemes NON-ALCOHOLIC BEVERAGES:

- Coffee (October 2018)

Article No. 2010392 *more information you can find at www.odin.drrr.de*
water, ash, pH-value, acidity, water soluble extract, caffeine, acrylamide, chlorogenic acid

- Tea (October 2018)

Article No. 2010394 *more information you can find at www.odin.drrr.de*
dry matter, ash, water soluble ash, water soluble extract, caffeine, theobromine, theophylline

- Energiedrink (October 2018)

Article No. 2010396 *more information you can find at www.odin.drrr.de*
pH-value, taurine, caffeine, inosit, gluconolacton, sucrose

- Carrot juice (October 2018)

Article No. 2010402 *more information you can find at www.odin.drrr.de*
relative density 20 °C / 20 °C, pH-value, titratable acid, sucrose, fructose, glucose, nitrate, β -carotene, α -carotene, total carotene

- Fruit juice or fruit juice concentrate 3 (November 2018)

Article No. 2010610 *more information you can find at www.odin.drrr.de*
brix value, ph value, titratable acidity, ash, potassium, calcium, magnesium, total phosphorus, sodium, nitrate, copper, iron

- Tomato juice (November 2018)

Article No. 2010154 *more information you can find at www.odin.drrr.de*
ergosterol

chemical-physical proficiency testing schemes EGG PRODUCTS:

- Egg products (November 2018)

Article No. 2010056 *more information you can find at www.odin.drrr.de*
total lipids, dry matter, protein, pH-value, cholesterol, α -linolenic acid, eicosapentaenoic acid, docosahexaenoic acid, salt content (sodium chloride)

- Egg pasta (November 2018)

Article No. 2010413 *more information you can find at www.odin.drrr.de*
water, fat, raw protein, ash, chloride, cholesterol, total sterine, calculation of the egg content, fibre

chemical-physical proficiency testing schemes DECLARATION NUTRITIONAL VALUES:

- 2 different food stuff on request (December 2018)

Article No. 2010451 *more information you can find at www.odin.drrr.de*
energy, protein, carbohydrate, sugar, fat, saturated fatty acids, fibre, sodium

chemical-physical proficiency testing schemes FISH and SEAFOOD:

- **Fish paste 1 (October 2018)**
Article No. 2010421 *more information you can find at www.odin.drrr.de*
water, fat, raw protein, ash, sodium chloride, arsenic, iodine
- **Fish paste 2 (October 2018)**
Article No. 2010423 *more information you can find at www.odin.drrr.de*
fat, semimicro butyric acid number, free butyric acid, butyric acid ethyl ester, milk fat, sorbic acid, benzoic acid, saccharin, cyclamate, citric acid

bio-chemical proficiency testing schemes DETERMINATION OF ANIMAL SPECIES:

- **Beef, pork, horse (December 2018)**
Article No. 2010263 *more information you can find at www.odin.drrr.de*
determination of animal species
- **Porcine and beef DNA in gelatin (December 2018)**
Article No. 2010588 *more information you can find at www.odin.drrr.de*
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)

bio-chemical proficiency testing schemes GMO:

- **Soy (GMO) (November 2018)**
Article No. 2010720 *more information you can find at www.odin.drrr.de*
different events

organoleptic proficiency testing schemes TRIANGLE TEST:

- **Beer (triangle test, Diacetyl) (October 2018)**
Article No. 3010020 *more information you can find at www.odin.drrr.de*
organoleptic analysis - triangle test Diacetyl
- **Yoghurt (triangle test, basic taste) (October 2018)**
Article No. 3010039 *more information you can find at www.odin.drrr.de*
organoleptic analysis - triangle test basic taste

organoleptic proficiency testing schemes RANKING TEST:

- **Water (ranking test, basic tastes) 3 (November 2018)**
Article No. 3010030 more information you can find at www.odin.drrr.de
organoleptic analysis - basic taste (2 basic tastes)
- **Beer (ranking test, Diacetyl) (October 2018)**
Article No. 3010034 more information you can find at www.odin.drrr.de
organoleptic analysis - Diacetyl
- **Yoghurt (ranking test, basic tastes) (October 2018)**
Article No. 3010037 more information you can find at www.odin.drrr.de
organoleptic analysis - basic taste (2 basic tastes)
- **Yoghurt (ranking test, flavours) (November 2018)**
Article No. 3010041 more information you can find at www.odin.drrr.de
organoleptic analysis – flavours (2 flavours)

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](#)).

Do you have suggestions for other parameters or matrices and their implementation?

Then do not hesitate to contact us!

Yours DRRR-Team

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chemical-physical proficiency testing

For your registration we recommend to use our online catalogue (ODIN) or the registration forms on our homepage (www.DRRR.de). You can also use the registration forms of this special supplement.

cheese

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010380	fresh cheese 2	fat, dry matter, protein, total lactic acid	Oct-18	209,00 €	76,50 €
2010164	curd	fat, dry matter, protein, total lactic acid	Oct-18	209,00 €	76,50 €

other milk products

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010009	butter	solids non-fat, water content, hardness, pH value, cholesterol, optional sodium chloride (depends on the condition of the butter)	Sep-18	209,00 €	68,50 €
2010017	yoghurt	fat, dry matter, protein, pH value, total lactic acid	Nov-18	290,00 €	76,50 €

non-alcoholic beverages

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010392	coffee	water, ash, pH-value, acidity, water soluble extract, caffeine, acrylamide, chlorogenic acid	Oct-18	252,00 €	84,00 €
2010394	tea	dry matter, ash, water soluble ash, water soluble extract, caffeine, theobromine, theophylline	Oct-18	252,00 €	84,00 €
2010396	energiedrink	pH-value, taurine, caffeine, inosit, gluconolacton, sucrose	Oct-18	252,00 €	84,00 €
2010402	carrot juice frozen	relative density 20 °C / 20 °C, pH-value, titratable acid, sucrose, fructose, glucose, nitrate, β-carotene, α-carotene, total carotene	Oct-18	252,00 €	84,00 €
2010610	fruit juice or fruit juice concentrate 3	brix value, ph value, titratable acidity, ash, potassium, calcium, magnesium, total phosphorus, sodium, nitrate, copper, iron	Nov-18	252,00 €	84,00 €
2010154	tomato juice	ergosterol	Nov-18	252,00 €	91,00 €

* 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

chemical-physical proficiency testing

For your registration we recommend to use our online catalogue (ODIN) or the registration forms on our homepage (www.DRRR.de). You can also use the registration forms of this special supplement.

egg products

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010056	egg products	total lipids, dry matter, protein, pH-value, cholesterol, α -linolenic acid, eicosapentaenoic acid, docosahexaenoic acid, salt content (sodium chloride)	Nov-18	273,00 €	81,00 €
2010413	egg pasta	water, fat, raw protein, ash, chloride, cholesterol, total sterine, calculation of the egg content, fibre	Nov-18	252,00 €	84,00 €

declaration nutritional values

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010451	2 different food stuff on request	energy, protein, carbohydrate, sugar, fat, saturated fatty acids, fibre, sodium	Dec-18	295,00 €	98,00 €

fish and seafood

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010421	fish paste 1	water, fat, raw protein, ash, sodium chloride, arsenic, iodine	Oct-18	252,00 €	84,00 €
2010423	fish paste 2	fat, semimicro butyric acid number, free butyric acid, butyric acid ethyl ester, milk fat, sorbic acid, benzoic acid, saccharin, cyclamate, citric acid	Oct-18	252,00 €	84,00 €

* 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

bio-chemical proficiency testing

For your registration we recommend to use our online catalogue (ODIN) or the registration forms on our homepage (www.DRRR.de). You can also use the registration forms of this special supplement.

determination of animal species

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010263	beef, pork, horse	determination of animal species	Dec-18	311,00 €	111,00 €
2010588	porcine and beef DNA in gelatine	Qualitative detection of low amounts of porcine (<i>sus scrofa</i>) and beef (<i>bos taurus</i>) DNA in highly processed food matrix (gelatin) in this proficiency testing also the DNA of sheep, fish and goat could be requested	Dec-18	311,00 €	111,00 €

GMO

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010720	soy (GMO)	different events	Nov-18	380,00 €	135,00 €

* 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

organoleptic proficiency testing

For your registration we recommend to use our online catalogue (ODIN) or the registration forms on our homepage (www.DRRR.de). You can also use the registration forms of this special supplement.

ranking test

Art. No.	proficiency testing type	requested parameters	period	price *	additional assessor **
3010030	water (ranking test, basic tastes) 3	organoleptic analysis - basic taste (2 basic tastes)	Nov-18	203,00 €	74,50 €
3010034	beer (ranking test, Diacetyl)	organoleptic analysis - Diacetyl	Oct-18	203,00 €	74,50 €
3010037	yoghurt (ranking test, basic tastes)	organoleptic analysis - basic taste (2 basic tastes)	Oct-18	203,00 €	74,50 €
3010041	yoghurt (ranking test, flavours) 2	organoleptic analysis - flavours (2 flavours)	Nov-18	203,00 €	74,50 €

triangle test

Art. No.	proficiency testing type	requested parameters	period	price *	additional assessor **
3010020	beer (triangle test, Diacetyl)	organoleptic analysis - triangle test Diacetyl	Oct-18	203,00 €	74,50 €
3010039	yoghurt (triangle test, basic taste)	organoleptic analysis - triangle test basic taste	Oct-18	203,00 €	74,50 €

possible basic tastes	sweet, sour, bitter, salty
possible flavours	strawberry, cherry, vanilla, peach, lemon

* 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

***price is valid for 3 assessors

registration form proficiency testing



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

Up to nine additional result sheets can be returned for chemical-physical, microbiological and physical-mechanical proficiency testing rounds 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.

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

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
- An offer with the total costs is needed
- A Purchase order from the purchasing department will follow

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) _____

With your signature you agree with our general terms and conditions.

_____ date

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