

MEAT PRODUCTS / FRUIT and VEGETABLE PRODUCTS / INFANT FORMULA

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 **meat products, fruit and vegetables products and infant formula**.

We are pleased to present you our quality assurance program in the field of the **chemical-physical and microbiological** analytic of "**meat products**", "**fruit and vegetable products**" and "**infant formula**".

Product catalogue food and feed

chemical-physical proficiency testing schemes MEAT PRODUCTS:

- **boiled sausage (June 2018)**
Article No. 2010417 more information you can find at www.odin.drrr.de
non-protein nitrogen (NPN), collagen degradation products, L-glutamin acid, citric acid, sodium acetate, L-lactat, sodium nitrate, sodium nitrite, ascorbic acid, pH value
- **raw sausage 1 (June 2018)**
Article No. 2010214 more information you can find at www.odin.drrr.de
aw-value, pH-value, D- & L-lactic acid, sodium, nitrate, nitrite, sorbic acid, monounsaturated fatty acids, saturated fatty acids, fat
- **raw sausage 2 (June 2018)**
Article No. 2010419 more information you can find at www.odin.drrr.de
fat, water content, protein, ash, sodium chloride, hydroxyproline, diphosphorus pentoxide (P2O5), sodium
- **vegetarian sausage substitute (May 2018)**
Article No. 2010712 more information you can find at www.odin.drrr.de
fat, protein, dry matter, sodium chloride, ash

chemical-physical proficiency testing schemes FRUIT and VEGETABLE PRODUCTS:

- **sugar mix (fruit preparation) (July 2018)**
Article No. 2010051 more information you can find at www.odin.drrr.de
sucrose, glucose, fructose, maltose, starch, aspartame, acesulfam K, sorbate, saccharin
- **fruit preparation (September 2018)**
Article No. 2010053 more information you can find at www.odin.drrr.de
brix-value, pH value, total acid, citric acid, L-malic acid, ash, phosphorus, potassium
- **sauerkraut (June 2018)**
Article No. 2010384 more information you can find at www.odin.drrr.de
ascorbic acid, titratable total acid, volatile acid, lactic acid, pH-value, sodium chloride
- **dried fruits (June 2018)**
Article No. 2010386 more information you can find at www.odin.drrr.de
SO₂ (sulphur dioxide)
- **dry potato product (August 2018)**
Article No. 2010388 more information you can find at www.odin.drrr.de
water, fat, saturated fatty acids, raw protein, ash, total carbohydrates, starch, sucrose, fibre, sodium
- **tomato ketchup (July 2018)**
Article No. 2010390 more information you can find at www.odin.drrr.de
pH-value, titratable acid, citric acid, sodium chloride, glucose, fructose, soluble dry matter, dry matter, sorbic acid, benzoic acid
- **hot sauce (July 2018)**
Article No. 2010704 more information you can find at www.odin.drrr.de
Capsaicin, dihydrocapsaicin, nordihydrocapsaicin, total capsaicinoids
- **fruit juice or fruit juice concentrate 2 (May 2018)**
Article No. 2010602 more information you can find at www.odin.drrr.de
brix value, titratable acidity, glucose, fructose, sucrose, total sugar, sugar free extract, glucose-fructose ratio, % sucrose of sugar

MEAT PRODUCTS / FRUIT and VEGETABLE PRODUCTS / INFANT FORMULA

chemical-physical proficiency testing schemes INFANT FORMULA:

- **jar food (August 2018)**
Article No. 2010435 *more information you can find at www.odin.drrr.de*
fat, protein, ash, moisture, vitamin C
- **baby porridge powder 1 (September 2018)**
Article No. 2010437 *more information you can find at www.odin.drrr.de*
water, fat, raw protein, ash, sucrose, glucose, fructose
- **baby porridge powder 2 (September 2018)**
Article No. 2010439 *more information you can find at www.odin.drrr.de*
sodium, potassium, magnesium, calcium, iron, zinc, iodine
- **baby porridge powder 3 (September 2018)**
Article No. 2010441 *more information you can find at www.odin.drrr.de*
vitamin B1, vitamin B2, vitamin B6, vitamin B12, vitamin A, vitamin C, vitamin E, folic acid, pantothenic acid, biotin
- **milk powder IMF part 1 (August 2018)**
Article No. 2010447 *more information you can find at www.odin.drrr.de*
fat, protein, ash, moisture, osmolality, vitamin A (retinol), vitamin C
- **milk powder IMF part 2 (August 2018)**
Article No. 2010449 *more information you can find at www.odin.drrr.de*
sodium, potassium, calcium, magnesium, phosphorus, iron, copper, zinc, manganese
- **milk powder IMF allergens (October 2018)**
Article No. 2010261 *more information you can find at www.odin.drrr.de*
gliadin, soy, casein, lactose, β -lacto-globuline

Product catalogue microbiology

microbiological proficiency testing schemes MEAT PRODUCTS:

- **E.coli ground meat 1 (June 2018)**
Article No. 2010035 *more information you can find at www.odin.drrr.de*
E.coli, total count quantitative
- **Enterobact. ground meat 2 (November 2018)**
Article No. 2010501 *more information you can find at www.odin.drrr.de*
Enterobacteriaceae, total count quantitative
- **Salmonella spp. ground meat 2 (November 2018)**
Article No. 2010503 *more information you can find at www.odin.drrr.de*
Salmonella spp. qualitative
- **Pseudomonas spp. ground meat (May 2018)**
Article No. 2010174 *more information you can find at www.odin.drrr.de*
Pseudomonas spp., total count quantitative
- **Listeria ground meat qualitative 2 (August 2018)**
Article No. 2010505 *more information you can find at www.odin.drrr.de*
Listeria monocytogenes qualitative
- **Listeria ground meat quantitative (August 2018)**
Article No. 2010507 *more information you can find at www.odin.drrr.de*
Listeria monocytogenes, total count quantitative
- **Coliforme bacteria ground meat (August 2018)**
Article No. 2010936 *more information you can find at www.odin.drrr.de*
coliforme bacteria, total count quantitative
- **Clostridia ground meat (August 2018)**
Article No. 2010942 *more information you can find at www.odin.drrr.de*
sulfite-reducing Clostridia (SRC), anaerobic total count, sulfite-reducing spores, C.perfringens quantitative

MEAT PRODUCTS / FRUIT and VEGETABLE PRODUCTS / INFANT FORMULA

microbiological proficiency testing schemes FRUIT and VEGETABLES PRODUCTS:

- **Yeasts fruit preparation (September 2018)**
Article No. 2010043 more information you can find at www.odin.drrr.de
yeasts quantitative and qualitative
- **Moulds fruit preparation (November 2018)**
Article No. 2010101 more information you can find at www.odin.drrr.de
moulds quantitative and qualitative
- **Osmophilic yeasts sugar solution (August 2018)**
Article No. 2010536 more information you can find at www.odin.drrr.de
osmophilic yeasts, total count quantitative
- **Osmophilic moulds sugar solution (August 2018)**
Article No. 2010538 more information you can find at www.odin.drrr.de
osmophilic moulds, total count quantitative

microbiological proficiency testing schemes INFANT FORMULA:

- **Infant food variation 1 (August 2018)**
Article No. 2010521 more information you can find at www.odin.drrr.de
minimum 1 out of variable parameters quantitative: SRC, yeasts, moulds, TVC 30°C; minimum 1 out of variable parameters qualitative: and Salmonella spp., Cronobacter spp. and Enterobacteriaceae
- **Infant food variation 2 (October 2018)**
Article No. 2010195 more information you can find at www.odin.drrr.de
minimum 1 out of variable parameters quantitative: B.cereus, Coliforms, SRC and minimum 1 out of variable parameters qualitative: Listeria spp., E.coli and coagulase-positive Staphylococcus
- **Bifidobacteria infant food (May 2018)**
Article No. 2010192 more information you can find at www.odin.drrr.de
Bifidobacteria quantitative
- **Identification of germs infant food (June 2018)**
Article No. 2010117 more information you can find at www.odin.drrr.de
variable germs

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](#)).

For questions and suggestions 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.

meat products

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010417	boiled sausage 2	non-protein nitrogen (NPN), collagen degradation products, L-glutamin acid, citric acid, sodium acetate, L-lactat, sodium nitrate, sodium nitrite, ascorbic acid, pH value	June 18	172,00 €	64,00 €
2010214	raw sausage 1	aw-value, pH-value, D- & L-lactic acid, sodium, nitrate, nitrite, sorbic acid, monounsaturated fatty acids, saturated fatty acids, fat	Jun-18	220,00 €	80,00 €
2010419	raw sausage 2	fat, water content, protein, ash, sodium chloride, hydroxyproline, diphosphorus pentoxide (P2O5), sodium	Jun-18	220,00 €	80,00 €
2010712	vegetarian sausage substitute	fat, protein, dry matter, sodium chloride, ash	May-18	182,00 €	68,00 €

fruit and vegetables products

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010051	sugar mix (fruit preparation) frozen	sucrose, glucose, fructose, maltose, starch, aspartame, acesulfam K, sorbate, saccharin	Jul-18	252,00 €	84,00 €
2010053	fruit preparation frozen	brix-value, pH value, total acid, citric acid, L-malic acid, ash, phosphorus, potassium	Sep-18	252,00 €	84,00 €
2010384	sauerkraut	ascorbic acid, titratable total acid, volatile acid, lactic acid, pH-value, sodium chloride	Jun-18	252,00 €	91,00 €
2010386	dried fruits	SO ₂ (sulphur dioxide)	Jun-18	209,00 €	70,00 €
2010388	dry potato product	water, fat, saturated fatty acids, raw protein, ash, total carbohydrates, starch, sucrose, fibre, sodium	Aug-18	252,00 €	84,00 €
2010390	tomato ketchup	pH-value, titratable acid, citric acid, sodium chloride, glucose, fructose, soluble dry matter, dry matter, sorbic acid, benzoic acid	Jul-18	252,00 €	84,00 €
2010704	hot sauce	Capsaicin, dihydrocapsaicin, nordihydrocapsaicin, total capsaicinoids	Jul-18	162,00 €	62,00 €
2010602	fruit juice or fruit juice concentrate 2	brix value, titratable acidity, glucose, fructose, sucrose, total sugar, sugar free extract, glucose-fructose ratio, % sucrose of sugar	May-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

chemical-physical proficiency testing

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infant formula

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010435	jar food	fat, protein, ash, moisture, vitamin C	Aug-18	311,00 €	111,00 €
2010437	baby porridge powder 1	water, fat, raw protein, ash, sucrose, glucose, fructose	Sep-18	247,00 €	82,00 €
2010439	baby porridge powder 2	sodium, potassium, magnesium, calcium, iron, zinc, iodine	Sep-18	247,00 €	82,00 €
2010441	baby porridge powder 3	vitamin B1, vitamin B2, vitamin B6, vitamin B12, vitamin A, vitamin C, vitamin E, folic acid, pantothenic acid, biotin	Sep-18	247,00 €	82,00 €
2010447	milk powder IMF part 1	fat, protein, ash, moisture, osmolality, vitamin A (retinol), vitamin C	Aug-18	391,00 €	131,00 €
2010449	milk powder IMF part 2	sodium, potassium, calcium, magnesium, phosphorus, iron, copper, zinc, manganese	Aug-18	391,00 €	131,00 €
2010261	milk powder IMF allergens	gliadin, soy, casein, lactose, β -lactoglobuline	Oct-18	437,00 €	146,00 €

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microbiological proficiency testing

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meat products

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010035	E.coli ground meat 1 risk group 1, frozen	E.coli, total count quantitative (2 samples ground meat, 2 samples reference solution)	Jun-18	310,00 €	110,00 €
2010501	Enterobact. ground meat 2 risk group 1, frozen	Enterobacteriaceae, total count quantitative (2 samples ground meat, 2 samples reference solution)	Nov-18	310,00 €	110,00 €
2010503	Salmonella spp. ground meat 2 risk group 2, frozen	Salmonella spp. qualitative (3 samples ground meat)	Nov-18	240,00 €	87,00 €
2010174	Pseudomonas spp. ground meat risk group 2, frozen	Pseudomonas spp., total count quantitative (2 samples ground meat)	May-18	220,00 €	80,00 €
2010505	Listeria ground meat qualitative 2 risk group 2, frozen	Listeria monocytogenes qualitative (3 samples ground meat)	Aug-18	240,00 €	87,00 €
2010507	Listeria ground meat quantitative risk group 2, frozen	Listeria monocytogenes, total count quantitative (2 samples ground meat)	Aug-18	220,00 €	80,00 €
2010936	Coliforme bacteria ground meat risk group 1, frozen	coliforme bacteria, total count quantitative (2 samples ground meat)	Aug-18	220,00 €	80,00 €
2010942	Clostridia ground meat risk group 2, frozen	sulfite-reducing Clostridia (SRC), anaerobic total count, sulfite-reducing spores, C.perfringens quantitative (2 samples ground meat)	Aug-18	310,00 €	110,00 €

fruit and vegetables products

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010043	yeasts fruit preparation risk group 1, frozen	yeasts quantitative and qualitative (3 samples for qualitative testing, 2 samples for quantitative testing)	Sep-18	340,00 €	120,00 €
2010101	moulds fruit preparation risk group 1, frozen	moulds quantitative and qualitative (3 samples for qualitative testing, 2 samples for quantitative testing)	Nov-18	340,00 €	120,00 €
2010536	osmophilic yeasts sugar solution risk group 1, frozen	osmophilic yeasts, total count quantitative (2 samples sugar solution)	Aug-18	220,00 €	80,00 €
2010538	osmophilic moulds sugar solution risk group 1, frozen	osmophilic moulds, total count quantitative (2 samples sugar solution)	Aug-18	220,00 €	80,00 €

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microbiological proficiency testing

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infant formula

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010521	infant food variation 1 risk group 2	minimum 1 out of variable parameters quantitative: SRC, yeasts, moulds, TVC 30°C; minimum 1 out of variable parameters qualitative: and Salmonella spp., Cronobacter spp. and Enterobacteriaceae (3-6 samples baby food)	Aug-18	450,00 €	150,00 €
2010195	infant food variation 2 risk group 2	minimum 1 out of variable parameters quantitative: B.cereus, Coliforms, SRC and minimum 1 out of variable parameters qualitative: Listeria spp., E.coli and coagulase-positive Staphylococcus (2-5 samples baby food)	Oct-18	450,00 €	150,00 €
2010192	Bifidobacteria infant food risk group 1	Bifidobacteria quantitative (2 samples baby food)	May-18	310,00 €	110,00 €
2010117	identification of germs infant food risk group 1/2	variable germs (1-3 samples baby food)	Jun-18	310,00 €	110,00 €

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