

MEAT PRODUCTS / FISH AND SEAFOOD / MILK POWDER

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, fish and seafood and milk powder**

We are pleased to present you our quality assurance program in the field of the **chemical-physical and microbiological** analytic of “**meat products, “fish and seafood”** and “**milk powder**”.

Product catalogue food and feed

chemical-physical proficiency testing schemes MEAT PRODUCTS:

- **Boiled sausage 1 (February 2018)**
Article No. 2010019 more information you can find at www.odin.drrr.de
fat, water content, ash, protein, collagen, sodium chloride, nitrate, nitrite, diphosphorus pentoxide (P₂O₅), calcium
- **Boiled sausage 2 (June 2018)**
Article No. 2010417 more information you can find at www.odin.drrr.de
non-protein nitrogen (NPN), collagen degradation products, L-glutamic 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 MILK POWDER:

- **Whole milk powder (April 2018)**
Article No. 2010027 more information you can find at www.odin.drrr.de
fat, free fat, water content, protein, lactose, ash, titratable acidity
- **Skimmed milk powder (September 2018)**
Article No. 2010001 more information you can find at www.odin.drrr.de
fat, water content, protein, lactose, ash, titratable acidity
- **Milk powder 3 (September 2018)**
Article No. 2010698 more information you can find at www.odin.drrr.de
bulk density
- **Milk powder (lactose reduced) (December 2018)**
Article No. 2010123 more information you can find at www.odin.drrr.de
lactose, dry matter
- **Milk powder nitrate – nitrite (August 2018)**
Article No. 2010113 more information you can find at www.odin.drrr.de
nitrate, nitrite
- **Milk powder (Vitamin D) (April 2018)**
Article No. 2010125 more information you can find at www.odin.drrr.de
vitamin D
- **Milk powder (Vitamin A & C) (April 2018)**
Article No. 2010105 more information you can find at www.odin.drrr.de
vitamin A, vitamin C
- **Whey powder (March 2018)**
Article No. 2010023 more information you can find at www.odin.drrr.de
fat, water content, protein, lactose, ash, pH value, titratable acidity

MEAT PRODUCTS / FISH AND SEAFOOD / MILK POWDER

chemical-physical proficiency testing schemes FISH and SEAFOOD:

- **Fish pasty 1 (August 2018)**
Article No. 2010421 *more information you can find at www.odin.drrr.de*
water, fat, raw protein, ash, sodium chloride, arsenic, iodine
- **Fish pasty 2 (August 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

Product catalogue microbiology

microbiological proficiency testing schemes MEAT PRODUCTS (food and feed):

- **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 1 (March 2018)**
Article No. 2010039 *more information you can find at www.odin.drrr.de*
Enterobacteriaceae, total count quantitative
- **Staphylococcus ground meat (February 2018)**
Article No. 2010142 *more information you can find at www.odin.drrr.de*
coagulase-positive Staphylococcus, total count quantitative
- **Salmonella spp. ground meat 1 (February 2018)**
Article No. 2010140 *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 1 (February 2018)**
Article No. 2010151 *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
- **Lactobacillus ground meat (March 2018)**
Article No. 2010212 *more information you can find at www.odin.drrr.de*
lactobacillus, total count quantitative
- **Campylobacter spp. poultry meat (February 2018)**
Article No. 2010146 *more information you can find at www.odin.drrr.de*
Campylobacter spp. qualitative
- **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

microbiological proficiency testing schemes FISH and SEAFOOD:

- **Yersinia enterocolitica seafood (May 2018)**
Article No. 2010509 *more information you can find at www.odin.drrr.de*
Yersinia enterocolitica qualitative
- **pathogenic Vibrio spp. seafood (May 2018)**
Article No. 2010511 *more information you can find at www.odin.drrr.de*
pathogenic Vibrio spp. qualitative
- **Salmonella spp. seafood (May 2018)**
Article No. 2010540 *more information you can find at www.odin.drrr.de*
Salmonella spp. qualitative

MEAT PRODUCTS / FISH AND SEAFOOD / MILK POWDER

microbiological proficiency testing schemes MILK POWDER:

- **Coliforme bact. Milk powder (July 2018)**
Article No. 2010160 *more information you can find at www.odin.drrr.de*
Coliforme total count, aerobic total count quantitative
- **Yeasts milk powder 2 (September 2018)**
Article No. 2010473 *more information you can find at www.odin.drrr.de*
yeasts, total count quantitative
- **Moulds milk powder 1 (February 2018)**
Article No. 2010065 *more information you can find at www.odin.drrr.de*
moulds, total count quantitative
- **Lactobacillus milk powder (December 2018)**
Article No. 2010481 *more information you can find at www.odin.drrr.de*
lactobacillus, total count quantitative
- **Shigella spp. milk powder (May 2018)**
Article No. 2010483 *more information you can find at www.odin.drrr.de*
Shigella spp. qualitative
- **Enterococcus milk powder (April 2018)**
Article No. 2010095 *more information you can find at www.odin.drrr.de*
Enterococcus, total count quantitative
- **Clostridia milk powder (June 2018)**
Article No. 2010057 *more information you can find at www.odin.drrr.de*
sulfite-reducing Clostridia, anaerobic total count, anaerobic mesophilic spore-forming bacteria, C.perfringens quantitative
- **Clostridia milk powder qualitative (June 2018)**
Article No. 2010940 *more information you can find at www.odin.drrr.de*
sulfite-reducing Clostridia (SRC) qualitative
- **Bacillus cereus milk powder (May 2018)**
Article No. 2010109 *more information you can find at www.odin.drrr.de*
Bacillus Cereus, total count quantitative
- **Bacillus cereus milk powder qualitative (May 2018)**
Article No. 2010932 *more information you can find at www.odin.drrr.de*
B.cereus qualitative
- **Cronobacter spp. milk powder (March 2018)**
Article No. 2010081 *more information you can find at www.odin.drrr.de*
Cronobacter spp. (= Enterobacter Sakazakii) qualitative
- **Salmonella spp. qualitative (March 2018)**
Article No. 2010148 *more information you can find at www.odin.drrr.de*
Salmonella spp. qualitative
- **Staphylococcus milk powder (February 2018)**
Article No. 2010083 *more information you can find at www.odin.drrr.de*
coagulase-positive Staphylococcus, total count quantitative
- **Staphylococcus milk powder qualitative (May 2018)**
Article No. 2010930 *more information you can find at www.odin.drrr.de*
coagulase-positive Staphylococcus qualitative
- **Listeria milk powder 2 (August 2018)**
Article No. 2010153 *more information you can find at www.odin.drrr.de*
Listeria monocytogenes quantitative and qualitative, total count
- **Thermophilic bacteria (55 °C) milk powder (July 2018)**
Article No. 2010534 *more information you can find at www.odin.drrr.de*
thermophilic aerobic total count (55 °C, vegetative), thermalresistant Spores of thermophilic bacteria
- **Anaerobic, thermophilic spores milk powder (December 2018)**
Article No. 2010934 *more information you can find at www.odin.drrr.de*
anaerobic, thermophilic spores, anaerobic, thermophilic total count quantitative
- **Pseudomonas spp. milk powder qualitative (May 2018)**
Article No. 2010938 *more information you can find at www.odin.drrr.de*
Pseudomonas spp. qualitative

MEAT PRODUCTS / FISH AND SEAFOOD / MILK POWDER

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 **
2010019	boiled sausage 1	fat, water content, ash, protein, collagen, sodium chloride, nitrate, nitrite, diphosphorus pentoxide (P2O5), calcium	Feb-18	152,00 €	51,00 €
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 €

fish and seafood

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

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010027	whole milk powder	fat, free fat, water content, protein, lactose, ash, titratable acidity	Apr-18	247,00 €	82,00 €
2010001	skimmed milk powder	fat, water content, protein, lactose, ash, titratable acidity	Sep-18	247,00 €	82,00 €
2010698	milk powder 3	bulk density	Sep-18	136,00 €	45,00 €
2010123	milk powder (lactose reduced)	lactose, dry matter	Dec-18	136,00 €	45,00 €
2010113	milk powder nitrate - nitrite	nitrate, nitrite	Aug-18	136,00 €	45,00 €
2010125	milk powder (Vitamin D)	vitamin D	Apr-18	136,00 €	45,00 €
2010105	milk powder (Vitamin A & C)	vitamin A, vitamin C	Apr-18	136,00 €	45,00 €
2010023	whey powder	fat, water content, protein, lactose, ash, pH value, titratable acidity	Mar-18	259,00 €	86,00 €

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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 €
2010039	Enterobact. ground meat 1 risk group 1, frozen	Enterobacteriaceae, total count quantitative (2 samples ground meat, 2 samples reference solution)	Mar-18	310,00 €	110,00 €
2010142	Staphylococcus ground meat risk group 2, frozen	coagulase-positive Staphylococcus, total count quantitative (2 samples ground, meat)	Feb-18	220,00 €	80,00 €
2010140	Salmonella spp. ground meat 1 risk group 2, frozen	Salmonella spp. qualitative (3 samples ground meat)	Mar-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 €
2010151	Listeria ground meat qualitative 1 risk group 2, frozen	Listeria monocytogenes qualitative (3 samples ground meat)	Feb-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 €
2010212	Lactobacillus ground meat risk group 1, frozen	Lactobacillus, total count quantitative (2 samples ground meat)	Mar-18	220,00 €	80,00 €
2010146	Campylobacter spp. poultry meat risk group 2, frozen	Campylobacter spp. qualitative (3 samples poultry)	Feb-18	240,00 €	87,00 €
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	sulfit-reducing Clostridia (SRC), anaerobic total count, sulfit-reducing spores, C.perfringens quantitative (2 samples ground meat)	Aug-18	310,00 €	110,00 €

fish and seafood

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010509	Yersinia enterocolitica seafood risk group 2, frozen	Yersinia enterocolitica qualitative (3 samples seafood)	May-18	240,00 €	87,00 €
2010511	pathogenic Vibrio spp. seafood risk group 2, frozen	pathogenic Vibrio spp. qualitative (3 samples seafood)	May-18	240,00 €	87,00 €
2010540	Salmonella spp. seafood risk group 2, frozen	Salmonella spp. qualitative (3 samples seafood)	May-18	240,00 €	87,00 €

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milk powder

Art. No.	proficiency testing type	requested parameters	period	price *	additional samples **
2010160	Coliforme bact. milk powder risk group 1, frozen	Coliforme total count, aerobic total count quantitative (2 samples milk powder)	Jul-18	220,00 €	80,00 €
2010473	yeasts milk powder 2 risk group 1, frozen	yeasts, total count quantitative (2 samples milk powder)	Sep-18	220,00 €	80,00 €
2010065	moulds milk powder 1 risk group 1, frozen	moulds, total count quantitative (2 samples milk powder)	Feb-18	220,00 €	80,00 €
2010481	lactobacillus milk powder risk group 1, frozen	lactobacillus, total count quantitative (2 samples milk powder)	Dec-18	220,00 €	80,00 €
2010483	Shigella spp. milk powder risk group 2, frozen	Shigella spp. qualitative (3 samples milk powder)	May-18	240,00 €	87,00 €
2010095	Enterococcus milk powder risk group 1, frozen	Enterococcus, total count quantitative (2 samples milk powder)	Apr-18	220,00 €	80,00 €
2010057	Clostridia milk powder risk group 2, frozen	sulfite-reducing Clostridia, anaerobic total count, anaerobic mesophilic spore-forming bacteria, C.perfringens quantitative (2 samples milk powder)	Jun-18	310,00 €	110,00 €
2010940	Clostridia milk powder qualitative risk group 2, frozen	sulfite-reducing Clostridia (SRC) qualitative (3 samples milk powder)	Jun-18	240,00 €	87,00 €
2010109	Bacillus cereus milk powder risk group 2, frozen	Bacillus Cereus, total count quantitative (2 samples milk powder)	May-18	220,00 €	80,00 €
2010932	Bacillus cereus milk powder qualitative risk group 2, frozen	B.cereus qualitative (3 samples milk powder)	May-18	240,00 €	87,00 €
2010081	Cronobacter spp. milk powder risk group 2, frozen	Cronobacter spp. (= Enterobacter Sakazakii) qualitative (3 samples milk powder)	Mar-18	240,00 €	87,00 €
2010148	Salmonella spp. milk powder 1 risk group 2, frozen	Salmonella spp. qualitative (3 samples milk powder)	Mar-18	240,00 €	87,00 €
2010083	Staphylococcus milk powder risk group 2, frozen	coagulase-positive Staphylococcus, total count quantitative (2 samples milk powder)	Feb-18	220,00 €	80,00 €
2010930	Staphylococcus milk powder qualitative risk group 2, frozen	coagulase-positive Staphylococcus qualitative (3 samples milk powder)	May-18	240,00 €	87,00 €
2010153	Listeria milk powder 2 risk group 2, frozen	Listeria monocytogenes quantitative and qualitative, total count (3 samples for qualitative testing, 2 samples for quantitative testing)	Aug-18	340,00 €	120,00 €
2010534	thermophilic bacteria (55 °C) milk powder risk group 2, frozen	thermophilic aerobic total count (55 °C, vegetative), thermalresistant Spores of thermophilic bacteria (2 samples milk powder)	Jul-18	220,00 €	80,00 €
2010934	anaerobic, thermophilic spores milk powder risk group 1/2, frozen	anaerobic, thermophilic spores, anaerobic, thermophilic total count quantitative (2 samples milk powder)	Dec-18	220,00 €	80,00 €
2010938	Pseudomonas spp. milk powder qualitative risk group 2, frozen	Pseudomonas spp. qualitative Pseudomonas spp. qualitative (3 samples milk powder)	May-18	240,00 €	87,00 €

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