

ANIMAL FEED / MILK POWDER / NON-ALCOHOLIC BEVERAGES

Dear customers

through a lot of developments in all matrices, we offer this year a comprehensive proficiency testing program in the field of **animal feed, non-alcoholic beverages** and **milk powder**.

We are pleased to present you our quality assurance program in the field of the **chemical-physical, microbiological and organoleptic** analytic of "**animal feed**", "**non-alcoholic beverages**" and "**milk powder**".

chemical-physical proficiency testing schemes MILK POWDER:

- **skimmed milk powder (September 2017)**
Article No. 2010001 more information you can find at www.odin.drrr.de
fat, water content, protein, lactose, ash, nitrate, total lactic acid
- **milk powder 3 (September 2017)**
Article No. 2010698 more information you can find at www.odin.drrr.de
bulk density
- **milk powder (lactose reduced) (December 2017)**
Article No. 2010123 more information you can find at www.odin.drrr.de
lactose, dry matter

chemical-physical proficiency testing schemes NON-ALCOHOLIC BEVERAGES :

- **coffee (October 2017)**
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
- **energiedrink (October 2017)**
Article No. 2010396 more information you can find at www.odin.drrr.de
pH-value, taurine, caffeine, inositol, gluconolacton, sucrose
- **carrot juice (October 2017)**
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
- **fruit juice or fruit juice concentrate 3**
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

microbiological proficiency testing schemes MILK POWDER:

- **moulds milk powder 2 (November 2017)**
Article No. 2010475 more information you can find at www.odin.drrr.de
moulds, total count quantitative
- **lactobacillus milk powder (December 2017)**
Article No. 2010481 more information you can find at www.odin.drrr.de
lactobacillus, total count quantitative
- **Salmonella spp. milk powder 2 (November 2017)**
Article No. 2010485 more information you can find at www.odin.drrr.de
Salmonella spp. qualitative

microbiological proficiency testing scheme ANIMAL FEED:

- **Salmonella spp. animal feed (December 2017)**
Article No. 2010519 more information you can find at www.odin.drrr.de
Salmonella spp. qualitative

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microbiological proficiency testing schemes NON-ALCOHOLIC BEVERAGES:

- **spoiling agents in fruit juice concentrate and beverage compounds 2 (November 2017)**
Article No. 2010491 more information you can find at www.odin.drrr.de
1 microorganism out of 3 different classes: lactic acid bacteria, yeasts and acid-tolerant, gram-negative bacteria
- **Alicyclobacillus spp. in fruit juice concentrate and beverage compounds qualitative (November 2017)**
Article No. 2010493 more information you can find at www.odin.drrr.de
Alicyclobacillus spp. qualitative
- **Yeasts fruit juice concentrate (November 2017)**
Article No. 2010592 more information you can find at www.odin.drrr.de
yeasts, total count quantitative
- **acetic acid bacteria fruit juice concentrate (November 2017)**
Article No. 2010598 more information you can find at www.odin.drrr.de
acetic acid bacteria (acid tolerant, gram-negative bacteria), total count quantitative

organoleptic proficiency testing schemes NON-ALCOHOLIC BEVERAGES:

- **water (ranking test, basic tastes) 3 (November 2017)**
Article No. 3010030 more information you can find at www.odin.drrr.de
organoleptic analysis – basic taste (2 basic tastes)
- **fruit juice (triangle test, flavour taint) (September 2017)**
Article No. 3010032 more information you can find at www.odin.drrr.de
organoleptic analysis – triangle test flavour taint
- **fruit juice (threshold value examination, flavour taint) (December 2017)**
Article No. 3010055 more information you can find at www.odin.drrr.de
organoleptic analysis - threshold value examination of flavour taint

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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proficiency testing

requested parameters

schedule 2017

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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MILKPOWDER

skimmed milk powder Article No. 2010001	fat, water content, protein, lactose, ash, nitrate, total lactic acid	September 2017	247,00 €	267,00 €	82,00 €
milk powder 3 Artikel No. 2010698	bulk density	September 2017	136,00 €	156,00 €	45,00 €
milk powder (lactose reduced) Article No. 2010123	lactose, dry matter	December 2017	136,00 €	156,00 €	45,00 €

NON-ALCOHOLIC BEVERAGES

coffee Article No. 2010392	water, ash, pH-value, acidity, water soluble extract, caffeine, acrylamide, chlorogenic acid	October 2017	252,00 €	272,00 €	84,00 €
energiedrink Article No. 2010396	pH-value, taurine, caffeine, inosit, gluconolacton, sucrose	October 2017	252,00 €	272,00 €	84,00 €
carrot juice ^{frozen} Article No. 2010402	relative density 20 °C / 20 °C, pH-value, titratable acid, sucrose, fructose, glucose, nitrate, β-carotene	October 2017	252,00 €	272,00 €	84,00 €
fruit juice or fruit juice concentrate 3 Article No. 2010610	brix value, ph value, titratable acidity, ash, potassium, calcium, magnesium, total phosphorus, sodium, nitrate, copper, iron	November 2017	252,00 €	272,00 €	84,00 €

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



proficiency testing type requested parameters

schedule 2017

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

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December 2017	240,00 €	260,00 €	87,00 €
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Salmonella spp. animal feed
risk group 2; frozen
Article No. 2010519

Salmonella spp. qualitative
(3 samples animal feed)

MILK POWDER

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November 2017	220,00 €	240,00 €	80,00 €
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moulds milk powder 2
risk group 1; frozen
Article No. 2010475

moulds, total count quantitative
(2 samples milk powder)

December 2017	220,00 €	240,00 €	80,00 €
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lactobacillus milk powder
risk group 1; frozen
Article No. 2010481

lactobacillus, total count quantitative
(2 samples milk powder)

November 2017	240,00 €	260,00 €	87,00 €
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Salmonella spp. milk powder 2
risk group 2; frozen
Article No. 2010485

Salmonella spp. qualitative
(3 samples milk powder)

NON-ALCOHOLIC BEVERAGES

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November 2017	350,00 €	370,00 €	123,00 €
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spoiling agents in fruit juice concentrate and beverage compounds 2
risk group 1; frozen
Article No. 2010491

1 microorganism out of 3 different classes: lactic acid bacteria, yeasts and acid-tolerant, gram-negative bacteria
(3 samples for qualitative testing, 2 samples for quantitative testing)

November 2017	240,00 €	260,00 €	87,00 €
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Alicyclobacillus spp. in fruit juice concentrate and beverage compounds qualitative
risk group 1; frozen
Article No. 2010493

Alicyclobacillus spp. qualitative
(3 samples fruit juice concentrate and beverage compounds)

November 2017	220,00 €	240,00 €	80,00 €
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Yeasts fruit juice concentrate
risk group 1; frozen
Article No. 2010592

yeasts, total count quantitative
(2 samples fruit juice concentrate)

November 2017	220,00 €	240,00 €	80,00 €
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acetic acid bacteria fruit juice concentrate
risk group 1; frozen
Article No. 2010598

acetic acid bacteria (acid tolerant, gram-negative bacteria), total count quantitative
(2 samples fruit juice concentrate)

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

organoleptic proficiency testing



proficiency testing type

requested parameters

schedule 2017

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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NON-ALCOHOLIC BEVERAGES

water (ranking test, basic tastes) 3 Article No. 3010030	organoleptic analysis - basic taste (2 basic tastes)	November 2017	203,00 €	223,00 €	74,50 €
fruit juice (triangle test, flavour taint) Article Nr. 3010032	organoleptic analysis - triangle test flavour taint	September 2017	203,00 €	223,00 €	74,50 €
fruit juice (threshold value examination, flavour taint) Article No. 3010055	organoleptic analysis - threshold value examination of flavour taint	December 2017	-	286,00 €	102,00 €

possible basic tastes:

sweet, sour, bitter, salty

possible flavours:

strawberry, cherry, vanilla, peach, lemon

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

