



Toxic mineral oil in food

Laboratory tests 2021

DECEMBER 2021

foodwatch 

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INTRODUCTION

Food products are still contaminated with toxic mineral oil

For the third time since 2015, foodwatch has commissioned laboratory tests to examine staple foods on mineral oil. The results show that everyday foods are still contaminated with harmful mineral oil hydrocarbons and in some cases even to a considerable high extent. Of the products tested this year and bought in France, Germany, the Netherlands, Austria and Belgium, **19 products contained a concerning amount of mineral oil aromatic hydrocarbons, or MOAH.**

According to the European Food Safety Authority (EFSA), **these toxic substances are suspected carcinogens and mutagens (substances which permanently alter DNA).¹ Some disrupt the endocrine system.** Any detectable presence of MOAH in a food product is therefore unacceptable.

- **October 2015:** foodwatch carried out laboratory tests on around 100 European products (e.g. rice, couscous, lentils, cornflakes, pasta, etc.) from three different European countries (France, Germany and the Netherlands): 43% of the products are potentially carcinogenic and mutagenic.²
- **January 2017:** In response to our first major test, the European Commission announced a monitoring program for mineral oil in food.³
- **October 2019:** foodwatch published the results of a **test on infant formula** bought in France, Germany and the Netherlands. Half of the 16 products tested contained a worrying amount of MOAH.⁴
- **November 2019:** After foodwatch's latest revelations, the European Food Safety Authority (EFSA) produced a new **'urgent' report** on the



risks linked to the contamination, and confirmed foodwatch's results and the need for action.⁵ However, Nestlé and Danone opted for denial, and refused to recall the products contaminated with MOAH and to commit to a policy of zero MOAH. This action reflects an irresponsible behaviour.

- **June 2020:** At a meeting of the SCOPAFF technical committee, the European Commission and the Member States decided for the first time to establish an MOAH threshold for baby milk, at 1 mg/kg - double the minimum detectable rate of 0.5 mg/kg.⁶
- **December 2021:** After the contamination was detected in new tests, foodwatch called for a regulation to impose zero tolerance for MOAH in all food categories throughout Europe.



MINERAL OILS: WHAT ARE THE HEALTH RISKS?

They do not belong in our food

Mineral oils are found in many areas of the human environment. They have already been found - including through tests commissioned by foodwatch - in numerous foods such as rice, pasta, chocolate and edible oils, but can also be found in packaging, children's toys, animal feed and cosmetics.

Two types of mineral oils contaminate food: mineral oil aromatic hydrocarbons (MOAH) and mineral oil saturated hydrocarbons (MOSH). They need to be clearly distinguished, as according to the European Food Safety Authority (EFSA), the different groups of mineral oils, MOSH and MOAH, do not have the same toxicological potential.



IMPORTANT

ABSORPTION OF THESE SUBSTANCES, WHETHER MOAH OR MOSH, DOES NOT CAUSE AN ACUTE, IMMEDIATE RISK TO HEALTH. HOWEVER, THE RECOMMENDATIONS OF THE EUROPEAN FOOD SAFETY AUTHORITY (EFSA) ARE VERY CLEAR: NO AMOUNT OF EXPOSURE TO MOAH CAN BE CONSIDERED SAFE.

Mineral oil aromatic hydrocarbons (MOAH)

Mineral oil aromatic hydrocarbons (MOAH) are particularly concerning. They are suspected carcinogens and mutagens. Their influence on the functioning of the hormone system as endocrine disruptors has also been demonstrated⁷. There is no "safe" daily dose for potential carcinogens. As a result, the European Food Safety Authority (EFSA) has determined that any exposure to aromatic hydrocarbons via food presents a risk.

After foodwatch's campaign launched at the end of 2015, the European Commission set up a monitoring programme beginning in January 2017 in the Member States.

Mineral oil saturated hydrocarbons (MOSH)

Mineral oil saturated hydrocarbons are found in food much more frequently, and at much higher concentrations. These substances accumulate in the body and can lead to damages of several different organs, as shown in tests on rats. EFSA considers some MOSH of concern when they are above a certain level.

HOW DOES MINERAL OIL CONTAMINATE OUR FOOD?

Sources of contamination

Possible sources of contamination exist all the way along the production chain for all food products. This makes it difficult to identify their precise origins from laboratory analyses alone. **Mineral oils can enter food at every stage in the processing chain, from harvest to packaging, as well as further processing.** There is unavoidably a certain amount of background pollution in the environment. Mineral oils are also used specifically by the food industry, for example as anti-dust binders, lubricants in production machinery, mould release agents, and as polishes or in adhesives.

The test published by foodwatch in 2015 covered dry food in cardboard packaging. One of the identified contamination sources at that stage was the packaging, from which mineral oil hydrocarbons migrate into food. The printing inks used were singled out in particular as a culprit, but the accumulation of contaminants via processes to recycle the packaging was also raised. In 2019, the tin cans containing infant formula were also under suspicion. However, tests showed that some powdered milks could also be contaminated before they were canned. This may therefore be due to the manufacturing process or external contamination of one or more of the ingredients.

Ultimately, there are multiple possible sources of contamination. It is up to manufacturers to identify them and eliminate them throughout the production, transport and distribution chain of the foods so they can guarantee that only products with no detectable MOAH presence are sold.



SAMPLING AND METHODOLOGY

The products were bought in the five countries where foodwatch operates, between August and October. The analyses and checks were carried out between August and November 2021.

The products in which suspected carcinogenic MOAH were detected, were tested by two different independent laboratories to ensure the highest level of precision, reproducibility and validity. All products containing MOAH above the detection limit of 0.5 mg/kg were analysed again to confirm the results obtained.



For these sensitive tests, foodwatch undertook a rigorous selection process for the laboratories. To ensure that the tests would have maximum reliability, the chosen laboratories had to meet the following requirements:

- THEY MUST BE ACCREDITED AND HIGHLY EXPERIENCED IN MINERAL OIL ANALYSIS;
- FOR THE QUANTIFICATION OF MOSH AND MOAH, THEY MUST USE THE ONLINE-LC/GC-FID DETECTION METHOD RECOMMENDED BY THE EUROPEAN COMMISSION IN ITS „GUIDANCE ON SAMPLING, ANALYSIS AND DATA REPORTING FOR THE MONITORING OF MINERAL OIL HYDROCARBONS IN FOOD AND FOOD CONTACT MATERIALS“.⁸

Current analysis techniques and laboratory good practice do not allow more precise results to be obtained. For more information, please see our technical report at www.foodwatch.org/technical_report_mineral_oil.⁹

How we evaluated the results

- Mineral oil aromatic hydrocarbons (MOAH) are recognised as potential carcinogens, mutagens and endocrine disruptors. In the analysis of our results, food containing a detectable quantity of MOAH is therefore considered to have an unacceptable level of contamination.
- Mineral oil saturated hydrocarbons (MOSH) accumulate in the human body and can damage various organs. No acceptable daily quantity has been officially set for MOSH.

TEST RESULTS

foodwatch bought 152 food products in five European countries - 30 in France, 39 in Germany, 20 in Belgium, 27 in the Netherlands and 36 in Austria - to test their level of mineral oil contamination. The tests were carried out by two laboratories.

The results of these tests show that 19 of the 152 products analysed are contaminated with mineral oil aromatic hydrocarbons (MOAH), i.e. one in eight products (12.5%). Contamination levels ranged from 0.63 mg per kilo of product to 82 mg/kg. Unilever's Knorr stock cubes were identified as contaminated with MOAH in several different batches in the five countries, at levels of contamination that are of great concern.

Saturated hydrocarbon derivatives (MOSH) were detected above the limit of quantification of 0.5 mg/kg in 140 of the 152 products, or more than nine out of ten (92%). The levels of MOSH contamination ranged from 0.5 mg per kilo of product to 1152 mg/kg.

We must remember that due to the health risks of these substances, any detectable MOAH presence in food is unacceptable.



Remarks: These results only reflect the results of the tests carried out at the times when the samples of the selected products were taken. The absence of MOAH in the tested products in no way guarantees that all batches of these products are free of these health-endangering substances.

Only preventive measures, monitoring plans and rigorous checks by manufacturers, distributors and public authorities can guarantee that food sold does not contain detectable MOAH.






This is why it is vital and urgent to:

- RECALL THE PRODUCTS WHERE TESTS REVEALED MOAH CONTAMINATION ABOVE THE DETECTION LEVEL OF 0.5 MG/KG
- ADOPT A ZERO TOLERANCE RULE FOR MOAH: PROHIBIT THE SALE OF ANY FOOD CONTAINING DETECTABLE MOAH IN EUROPE

Note: If a product has been identified several times as contaminated with MOAH, we report in the tables below the lowest contamination values measured. The full list of all products tested is shown at the end of the report.

FRANCE







PRODUCT NAME	KNORR Bouillon de légumes sans sel	KNORR / PUGET Bouillon aux herbes et avec de l'huile d'olive	LÉA NATURE JARDIN BIO ÉTIC Bouillon cube légumes sans sel	AUCHAN POUCE Bouillon de bœuf déshydraté	FRUIT D'OR Oméga 3
BATCH NUMBER	L11450D098	L1165U098	221110	O205Y1	L120404098
EXPIRY DATE	06.2022	12.2022	10.11.2022	03.2023	05.11.2021
CONTAMINATION WITH MINERAL OIL AROMATIC HYDROCARBONS (MOAH) IN MG/KG	44 	40 	5,0 	2,0 	1,0 
CONTAMINATION WITH MINERAL OIL SATURATED HYDROCARBONS (MOSH) IN MG/KG	417	369	64	26	5,4

THIS IS A TABLE OF PRODUCTS CONTAMINATED WITH MOAH, LISTED BY COUNTRY. THE FULL LIST OF ALL PRODUCTS PURCHASED AND TESTED IS SHOWN AT THE END OF THE REPORT.

GERMANY



PRODUCT NAME	KNORR Bratensaft Basis	KNORR Fette Brühe	FERRERO Nutella	ZENTIS NUSSPLI Nuss Nougat Creme
BATCH NUMBER	L01600C098	L221CH816X05	L089RG 19:41	18:44 16.09.2022
EXPIRY DATE	12.2021	02.2022	30.03.2022	16.09.2022
CONTAMINATION WITH MINERAL OIL AROMATIC HYDROCARBONS (MOAH) IN MG/KG	52 	22 	2,3 	1,1 
CONTAMINATION WITH MINERAL OIL SATURATED HYDROCARBONS (MOSH) IN MG/KG	813	325	14	6,5

THIS IS A TABLE OF PRODUCTS CONTAMINATED WITH MOAH, LISTED BY COUNTRY. THE FULL LIST OF ALL PRODUCTS PURCHASED AND TESTED IS SHOWN AT THE END OF THE REPORT.

AUSTRIA





PRODUCT NAME	ILDEFONSO Weihnachtsbehang	ALNATURA Bio Hühner Bouillon	KNORR Goldaugen	MILKY WAY Milky Way cacao and milk duo creme	WILMERSBURGER Pizzaschmelz Vegan Cheese	LINDT Lindt Lindor Milch
BATCH NUMBER	L51171190		L1113AQ816 *07	L21056 1WL	179-2101	L3741
EXPIRY DATE	03.2022	27.07.2022	10.2022	25.02.2022	06.09.2021	31.05.2022
CONTAMINATION WITH MINERAL OIL AROMATIC HYDROCARBONS (MOAH) IN MG/KG	10 	7,7 	6,4 	3,1 	1,7 	0,98
CONTAMINATION WITH MINERAL OIL SATURATED HYDROCARBONS (MOSH) IN MG/KG	92	121	66	9,9	9,3	10

THIS IS A TABLE OF PRODUCTS CONTAMINATED WITH MOAH, LISTED BY COUNTRY. THE FULL LIST OF ALL PRODUCTS PURCHASED AND TESTED IS SHOWN AT THE END OF THE REPORT.

BELGIUM





PRODUCT NAME	KNORR Finesse Groenten Légumes Bouillon	DELHAIZE Pâte à tartiner aux noisettes bio
BATCH NUMBER	L1069A8816*17	C02-21060-G-20: 55-060
EXPIRY DATE	09.2022	29.08.2022
CONTAMINATION WITH MINERAL OIL AROMATIC HYDROCARBONS (MOAH) IN MG/KG	6,4 	0,63 
CONTAMINATION WITH MINERAL OIL SATURATED HYDROCARBONS (MOSH) IN MG/KG	95	7,5

THIS IS A TABLE OF PRODUCTS CONTAMINATED WITH MOAH, LISTED BY COUNTRY. THE FULL LIST OF ALL PRODUCTS PURCHASED AND TESTED IS SHOWN AT THE END OF THE REPORT.

NETHERLANDS



PRODUCT NAME	KNORR Groente bouillon	QUAKER Cruesli Kids Chocolate Flavour
BATCH NUMBER	L11270R098	153C
EXPIRY DATE	11.2022	05.03.2022
CONTAMINATION WITH MINERAL OIL AROMATIC HYDROCARBONS (MOAH) IN MG/KG	36 	1,4 
CONTAMINATION WITH MINERAL OIL SATURATED HYDROCARBONS (MOSH) IN MG/KG	609	9,7

THIS IS A TABLE OF PRODUCTS CONTAMINATED WITH MOAH, LISTED BY COUNTRY. THE FULL LIST OF ALL PRODUCTS PURCHASED AND TESTED IS SHOWN AT THE END OF THE REPORT.

CONCLUSIONS AND ACTION NEEDED

The results of the lab tests published by foodwatch over the last six years show that the risk of contamination of our food with MOAH, hydrocarbon derivatives that are dangerous to our health, is everywhere: rice, pasta, cereals, etc. In 2019 we tested infant formula and now everyday foods like stock cubes and spreads. Only a zero-tolerance regulation for MOAH in Europe can protect consumers from these toxic substances which are invisible to the naked eye, but present all the same.

It is the responsibility of public authorities to protect consumers' health.

The European Commission and Member States of the EU simply need to apply the European regulation on food (Regulation (EC) 178/2002), particularly Article 14 on food safety requirements, which stipulates that “food shall not be placed on the market if it is unsafe”.

To date, only infant formula has been the subject of a European decision, with a contamination threshold of 1 mg MOAH per kg of product set in 2020⁶. However, there is no firm rule prohibiting

contamination of other foods and obliging manufacturers and distributors to monitor this contamination throughout the production and distribution chain.

In June 2018, in Germany the “Consumer Protection Consortium of the Federal States (LAV)” and the German “Food Industry Association” (“Lebensmittelverband” formerly BLL) launched a joint project to derive so-called “Benchmark levels for mineral oil hydrocarbons (MOH) in foods”. These benchmark levels apply to eight product groups on the market and represent the state of good manufacturing and packaging practice. For MOAH, the analytically achievable limit of quantification (LOQ_{max}) is applicable for each of the product categories listed there according to the JRC technical guidance.¹⁰

This is why it is vital and urgent to:

- **RECALL THE PRODUCTS WHERE TESTS REVEALED MOAH CONTAMINATION ABOVE THE DETECTION LEVEL OF 0.5 MG/KG**
- **ADOPT A ZERO TOLERANCE RULE FOR MOAH: PROHIBIT THE SALE OF ANY FOOD CONTAINING DETECTABLE MOAH IN EUROPE**





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LIST OF ALL PRODUCTS TESTED

FRANCE

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
VIGEAN Huile vierge biologique de noix de coco	20-062A	02.03.22	1,4	< 0,5
LUCIEN GEORGELIN Pâte à tartiner Bio	16:13J	12.05.24	3,8	< 0,5
NUTELLA Pate à tartiner aux noisettes et au cacao 200 g	L076RV	02.22	3,0	< 0,5
VAHINÉ Noix de coco rapée	L1097	07.04.22	5,6	< 0,5
MONOPRIX Poudre instantanée goût choco	L1090	03.23	1,4	< 0,5
MAGGI Bouillon Kub Volaille France - 25% sel	10610364	03.22	2,7	< 0,5
LOTUS Biscoff® The original speculoos	L1141309	21.06.22	3,0	< 0,5
LIDL Choco Nussa	RA 800912 30125548	16.09.22	5,5	< 1,0
KNORR Bouillon de légumes sans sel	L11450D098	06.22	417	44
LÉA NATURE JARDIN BIO ETIC Bouillon cube légumes sans sel	100822	10.08.21	36	5,3
	221110	10.11.22	64	5,0

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
KARA Crème de coco onctueuse	CB0212 4	12.08.22	< 0,5	< 0,5
KNORR/PUGET Bouillon aux herbes et avec de l'huile d'olive	L11650U098	12.22	369	40
	L11670U098	12.22	574	48
BJORG Crème de coco légère bio	I:201030	30.10.21	< 0,5	< 0,5
BANANIA Original	L1141	05.23	1,3	< 0,5
AUCHAN POUCE Bouillon de bœuf déshydraté	0950HO	01.23	15	2,5
	0205Y1	03.23	26	2,0
NESQUIK Bio All natural 350 g	10530835U1A	11.21	4,8	< 0,5
OREO Original 220g	OVI0511921	31.05.22	2,3	< 0,5
SUZI WAN Crème de Coco	5A601 103C18GF99	13.04.22	< 0,5	< 0,5
NESTLÉ Chocapic	L1148083800E1	05.22	< 0,5	< 0,5
QUAKER Cruesli chocolat noir	153B 1R	05.03.22	3,8	< 0,5

FRANCE (CONTINUED)

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
KELLOGG'S EXTRA Chocolat noir et noisettes grillées	SA 2SN	05.07.22	2,3	< 0,5
CHABRIOR Muesli Crisp chocolat au lait	13:14 L1	28.05.22	3,5	< 0,5
DANETTE Chocolat	Z8225	09.22	0,5	< 0,5
HERTA Trésor de Grand-mère feuilletée	1232001900 E0	21.09.21	2,0	< 0,5
MARQUE REPÈRE (E.LECLERC) La sablée - Tablier blanc	D2_432339	03.10.21	0,7	< 0,5
CARREFOUR Pâte feuilletée Classic	00 JT234/1836H	22.09.21	1,8	< 0,5
FRUIT D'OR Oméga 3	L120404098	05.11.21	5,4	1,0
	L125904098	30.12.21	38	1,9
MONOPRIX Pâte Brisée	D2_0257325	18.09.21	2,3	< 0,5
LIDL Pâte Brisée - Toque du chef	59UH232/ 3443H	09.09.21	1,4	< 0,5
CROUSTIPATE Feuilletée avec de la farine de riz	L/RD 18/09/21	18.09.21	1,0	< 0,5

NETHERLANDS

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
LU PRINCE Start Naturel Cookies 300 g	OHF4012312 2	31.03.22	3,2	< 0,5
BOLLETJE SCHUDEBUIKJES Speculaas 300 g	L018278B	31.03.22	3,7	< 1,0
DE RUIJTER Vlokkfeest 300 g	L22 03:05	08.22	3,3	< 1,0
BE-KIND Caramel Almond & Sea salt Bars	121E22GU01	28.08.22	< 0,5	< 0,5
KNORR Groente bouillon	L11270R098	11.22	609	36
	L11660D098	12.22	1152	58
MAGGI Kippen bouillon	11100364	04.22	4,8	< 0,5
LIGA Milkbreak Melk Biscuits	OHT091 221 13-7	28.02.22	1,6	< 0,5
AH BOUILLON Bospaddenstoel	15.04.2023	15.04.23	< 0,5	< 0,5
SULTANA Naturel Fruit Biscuits	LZ11956	03.22	< 0,5	< 0,5
KELLOGG'S Tresor Melkchocolade	L1167 034510	12.04.22	1,2	< 0,5

NETHERLANDS (CONTINUED)

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
CALVÉ Pindakaas 350 g	L118900A69 05:31	03.04.22	< 0,5	< 0,5
NUTELLA Hazelnootpasta met cacao	L161RV--C09:46	10.06.22	3,8	< 0,5
LOTUS Biscoff The Original Speculoos	L1186409/1925	05.08.22	2,9	< 0,5
KELLOGG'S Froot Loops	L1 160 034510 12:29	09.06.21	0,80	< 0,5
CALVÉ Pindakaas 350 g	L120300A69	18.04.22	0,56	< 0,5
TREK Protein Havermout Repen	L5 18-07-2022	18.07.22	1,9	< 0,5
JUMBO Groente Bouillon	62517-1017	11.09.22	1,8	< 0,5
CRUESLI KIDS Chocolate Flavour	153C 22:12 2R	05.03.22	9,7	1,4
AH BLADERDEEG op rol	8718907453196	06.10.21	3,4	< 0,5
DANEROLLES croissants classic	06:25 02	21.09.21	1,9	< 0,5

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
VIOLIFE Greek White	21175A	24.04.22	6,7	< 0,5
AH Plantaardige plakken	SN1792E	25.12.21	6,5	< 0,5
AH Verse original croissant	0222920:35 S1	25.10.21	3,6	< 0,5
OATLY! Romige haver spread	AA000379	08.12.21	2,3	< 0,5
JUMBO Bladerdeeg met Bakpapier	121114006	16.09.21	2,1	< 0,5
KOOPMANS Bladerdeeg Origineel	L454121131 10:16	11.22	4,0	< 0,5
CONSENZA Puff Pastry	30-05-22	30.05.22	1,0	< 0,5

GERMANY

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
BEN & JERRY'S Cookie Dough	L1168BM020	12.22	2,1	< 0,5
RAPUNZEL Tiger Creme	4000010105A	19.10.22	1,5	< 0,5
ALNATURA Haselnuss-Nougat	4000009445	01.09.22	4,6	< 0,5
GUT & GÜNSTIG Frischer Blätterteig	32323	14.09.21	2,8	< 0,5
HENGLEIN Frischer Blätterteig	32323 06:14	14.09.21	3,5	< 0,5
VEGANZ Geniesserstück	608527051	18.12.21	4,1	< 0,5
BEDDA Scheibenkäse	22.12.2021	22.12.21	1,0	< 0,5
SMARTIES Pop up Eis	L-AR1070A1	03.23	1,3	< 0,5
SIMPLY V Natur	13120120	18.10.21	2,4	< 0,5
KNACK & BACK Sonntagsbrötchen	0200 15:5052	03.10.21	< 0,5	< 0,5

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
REWE BIO Vegan Mozzarisella	284	20.10.21	12	< 0,5
SCHÖLLER Kaktus 4 Friends	LFE 1133 22FR	05.23	6,1	< 0,5
REWE BESTE WAHL Blätterteig	31333	21.09.21	4,3	< 0,5
NESTLE Nesquik Snack	L12092	01.10.21	2,5	< 0,5
KNORR Feinschmecker Sauce Hollandaise	L11380D803	11.22	3,7	< 0,5
DE BEUKELAER Prinzenrolle	174V1	01.04.22	4,6	< 0,5
KNORR Helle Soße	L1131	11.22	3,4	< 0,5
KNORR Sauce Hollondaise	L107802777	14.12.21	6,0	< 0,5
KÖLLN Knusper Klassik Hafer Müsli	L1273	07.06.22	1,8	< 0,5
VITALIS Schoko Müsli	L208	08.22	1,1	< 0,5

GERMANY (CONTINUED)

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
PFANNI Kartoffelklöße	L 108810805	06.22	< 0,5	< 0,5
STORCK Toffifee	MB34M	01.03.22	1,1	< 0,5
FERRERO Yogurette	L175RG37	05.01.22	2,1	< 0,5
FERRERO Nutella	L089RG 19:41	30.03.22	14	2,3
	L272RG-18:23	29.09.22	9,8	< 1,0
ZENTIS Nusspli	18:44 16.09.2022	16.09.22	6,5	1,1
	21:41 19.11.2022	19.11.22	8,0	1,2
RITTER SPORT Knusperkeks	H2P128060 08:44	28.04.22	1,3	< 0,5
LEIBNIZ Pickup!	F1302	01.08.22	3,5	< 0,5
GÜLDENHOF Geflügelsalami mit Pflanzenfett geräuchert	14.10.2021	14.10.21	1,6	< 0,5
LINDT Lindor Milch	L5701 13 007/2022	07.22	5,5	< 0,5
CHOCEUR Keks Milchcreme	L41292B 30.04.2022	30.04.22	1,4	< 0,5

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
LE GUSTO Klare Hühnerbrühe	03.09.2022	03.09.22	< 0,5	< 0,5
JA! NussNougat Creme	L122164	10.22	4,0	< 0,5
NUSSKATI Nuss Nougat Creme	N1 07:06 30.06.2022	30.06.22	6,4	< 0,5
NUSSETTI Nuss Nougat Creme	L1215506/0131	03.09.22	6,5	< 0,5
BISCOTERIA Pausenschnitte	B L136940	30.05.22	4,0	< 0,5
CARAT Klare Gemüsebrühe	29.10.2021	29.10.21	4,0	< 0,5
KNORR Fette Brühe	L221CH816X05	02.22	325	22
	L1014CH816X22	07.22	465	28
KNORR Bratensaft Basis	L01600C098	12.21	813	52
	L03360A098	06.22	516	82
MAGGI Fette Brühe	0342070F 14:25	02.22	4,0	< 0,5

AUSTRIA

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
BILLA BIO Nuss-Nougat-Creme	12621E 17:31	07.22	2,8	< 0,5
NUTELLA Nuss-Nougat-Creme	L146RV--C 10:54	26.05.22	4,1	< 0,5
MILKY WAY Cacao + Milk Duo Creme	L21056 1WL	25.02.22	9,9	3,1
MILKA Haselnusscreme 350 g	2B00911134/ 0002	17.12.21	11,0	< 0,5
KNORR Goldaugen	L1113AQ816*07	10.22	66	6,4
	L1218AR816*08	02.23	102	7,0
MAGGI Rindfleischsuppe	10470824E1	02.22	11	< 0,5
KNORR BIO Gemüse Bouillon Pulver	L10891N809	09.22	1,8	< 0,5
SUCHARD Express Kakao	L 0331 08:13	02.02.23	5,3	< 0,5
S BUDGET Instant Kakao	L 1301 09:02	05.23	1,1	< 0,5
NATUR PUR Bio-Trink-Kakao	L1381	05.23	2,7	< 0,5

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
JA! Natürlich Bio Trinkkakao	L3580	06.22	0,91	< 0,5
BENCO Trinkkakao	ZBL07117 42 B	28.04.23	1,8	< 0,5
NESTLE Nesquik	10900973 T	09.22	2,5	< 0,5
SOYANANDA Frisch Vegan Cheese «Creme Chesse»	10.09.21	10.09.21	7,4	< 1,0
MOZZARISELLA Klassisch Vegan Cheese «Mozzarella»	261	03.10.21	16	< 0,5
VIOLIFE Greek White Vegan Cheese «Feta»	21159 B	08.04.22	5,2	< 0,5
WILMERSBURGER Pizzaschmelz Vegan Cheese	179-2101	06.09.21	9,3	1,7
	221-2101	18.10.21	7,3	1,8
CLEVER Blätterteig Puff Pastry	121112103	28.08.21	2,2	< 0,5
TANTE FANNY Frischer Blätterteig verfeinert mit Butter	121112976	06.09.21	2,0	< 0,5
S BUDGET BätterteigButter	121112826	05.09.21	2,5	< 0,5

AUSTRIA (CONTINUED)

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
PENNY Ready Frischer Blätterteig	121113278	08.09.21	2,4	< 0,5
OREO Original Cocoabiscuits filled with Vanillacream	OPA6112132 L4	31.05.22	2,2	< 0,5
LINDT Lindor Milch	L4971	30.11.21	47	3,3
	L3741	31.05.22	10	0,98
MILKA MMMAX Schoko&Keks	00V0812362	12.06.22	3,2	< 0,5
MANNER Haselnuss Mignon	L15881139	19.08.22	4,3	< 0,5
DE BEUKELAER Prinzen Rolle	081 T2	01.02.22	1,7	< 0,5
NAPOLI Dragee Keksi Classic	L57521118	28.04.22	3,4	< 0,5
NIEMETZ Schwedenbomben	L212161	31.08.21	8,2	< 0,5
FERRERO Kinderschokolade	L151RG--08	11.01.22	1,8	< 0,5
ALNATURA Bio Hühner Bouillon	18.04.2022	18.04.22	117	12
	27.07.2022	27.07.22	121	7,7

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
LINDT Lindor Dunkel	L5851	31.01.22	8,6	< 0,5
MANNER Weihnachtssterne Nougat	L51801223	03.22	6,6	< 0,5
CASALI Tor Nusskugeln	L51171253	03.22	2,9	< 0,5
KUFFERLE Schoko Schirmchen	11 L6671	06.22	6,8	< 0,5
BETTHUPFERL Pischinger Dark Chocolate	L243	31.05.22	5,6	< 0,5
ILDEFONSO Weihnachtsbehang	L51171190	03.22	92	10

BELGIUM

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
LOTUS Madelaine Chocolat	29/10/2021 G	29.10.21	3,9	< 0,5
HEINZ Venz Flocons de crocodile	L191824	04.22	2,8	< 0,5
HEINZ Kwatta pur fondant	L1152209/1203	07.22	5,9	< 0,5
DELHAIZE Bio cookies chocolate chip	21170	19.02.22	2,4	< 0,5
KNORR Groenten Legumes Bouillon	L104700N32	08.22	1,9	< 0,5
KNORR Finesse Groenten Legumes Bouillon	L1069A8816*07	09.22	95	6,4
	L1069A8816*06	09.22	123	8,4
DELHAIZE Pate a tartiner aux noisette (bio)	C02-21054-G-18: 12-054	23.08.22	7,7	0,71
	C02-21060-G-20: 55-060	29.08.22	7,5	0,63
WHOLE EARTH peanut choco hazelnut spread	98123 02:15D	02.06.22	1,3	< 0,5
PENOTTI Praline spread	L106733	05.22	6,5	< 0,5
DELHAIZE Speculoos spread	L103528	04.04.22	2,6	< 0,5

PRODUCT NAME	BATCH-NUMBER	EXPIRY DATE	MOSH IN MG/KG	MOAH IN MG/KG
DELHAIZE Bladerdeeg- Pate Feuilletée	D 4G0719338	02.10.21	2,7	< 0,5
DELHAIZE Kruimeldeeg- Pate Brisee	D2_1357344	08.10.21	1,1	< 0,5
DELHAIZE Bladerdeeg- Pate Feuilletée- Blaetterteig bio	01P08 V 09:29D	28.09.21	1,2	< 0,5
VIOLIFE Greek White	21176 A 08:17	25.04.22	6,2	< 0,5
VIOLIFE Mozzerella flavoured grated	21145B 17:53	25.01.22	2,3	< 0,5
NURISHH Mozzerella flavoured grated	SN1831E 06:56	30.10.21	2,9	< 0,5
ALPRO cooking coconut	BA 2416 17:20	14.03.22	< 0,5	< 0,5
HEINZ Boerinneke sans lactose gluten (bio)	L1179	28.09.22	2,9	< 0,5
FERRERO Nutella	L250RV --C 12:47	07.09.22	4,1	< 0,5

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