SGS INSTITUT FRESENIUS GmbH P.O.Box D-65220 Taunusstein

"LAJTHIZA INVEST" SHA
Locka Street, Kashar
1000 TIRANA
REPUBLIK ALBANIEN

Test Report 6389362
Order No. 6614476
Customer No. 10077536

DAkkS Deutsche Akkreditierungsstelle
D-PL-14115-02-02
D-PL-14115-02-03
D-PL-14115-02-04
D-PL-14115-02-07

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Health & Nutrition, Food

SGS INSTITUT FRESENIUS GmbH
Im Maisel 14
D-65232 Taunusstein

Taunusstein, 20.06.2023

Your order/project: ,
Your purchase order number: Fisnik Rizvanolli

Inspection period from 29.05.2023 until 19.06.2023

Sample No. 230547349 Sample matrix mineral water
"LAJTHIZA INVEST" SHA
Lajthiza Spring Water
Raw Water
Date of receipt: 02.06.2023 Type of receipt sent by you
Date of sampling 29.05.2023 15:51:00 Sampler CUSTOMER

Parameter	Unit	Result	Limit of quantification	Method	Lab	Requirements
Phys.-chem. and phys. Parameters						
Conductivity (25°C)	µS/cm	116	3	DIN EN 27888	TS	
Cations						
Sodium (Na)	mg/l	2,8	0,1	DIN EN ISO 11885	TS	
Potassium (K)	mg/l	0,3	0,1	DIN EN ISO 11885	TS	
Ammonium (NH_4)	mg/l	< 0,02	0,02	DIN EN ISO 11732	TS	
Magnesium (Mg)	mg/l	2,9	0,1	DIN EN ISO 11885	TS	
Calcium (Ca)	mg/l	15,5	0,1	DIN EN ISO 11885	TS	
Barium (Ba)	mg/l	< 0,005	0,005	DIN EN ISO 11885	TS	1
Strontium (Sr)	mg/l	0,006	0,005	DIN EN ISO 11885	TS	
Manganese (Mn)	mg/l	< 0,005	0,005	DIN EN ISO 11885	TS	0,5
Iron (Fe)	mg/l	0,006	0,005	DIN EN ISO 11885	TS	
Anions						
Fluoride (F)	mg/l	0,03	0,02	DIN 38405-4	TS	5,0
Chloride (Cl)	mg/l	1,2	1	DIN EN ISO 10304-1	TS	
Nitrite (NO_2)	mg/l	< 0,005	0,005	DIN EN 26777	TS	0,1
Nitrate (NO_3)	mg/l	2,6	0,3	DIN EN ISO 10304-1	TS	50
Sulfate (SO_4)	mg/l	8,3	1	DIN EN ISO 10304-1	TS	
Hydrogencarbonate (HCO_3)	mg/l	54	3	DEV D8	TS	
Carbonate (CO_3)	mg/l	< 3	3	DEV D8	TS	

Compiled by: 20.06.2023 i. A. Sabine Leitert Customer Service Assistant Beverages.
Approved by: 26.06.2023 i.A. Dr. Ulrich Kreuter Customer Service Product Manager.

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Continuation Lajthiza Spring Water
Raw Water

Parameter	Unit	Result	Limit of quant.	Method	Lab	Limit value
Undissociated Substances						
Boric acid (HBO_2)	mg/l	0,08	0,08	DIN EN ISO 11885	TS	
Total Dissolved Minerals						
Total dissolved minerals	mg/l	88				
Inorganic Trace Substances						
Antimony (Sb)	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	0,005
Arsenic (As)	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	0,01
Lead (Pb)	mg/l	< 0,0005	0,0005	DIN EN ISO 17294-2	TS	0,01
Boron (B)	mg/l	0,02	0,02	DIN EN ISO 11885	TS	5,5
Cadmium (Cd)	mg/l	< 0,0002	0,0002	DIN EN ISO 17294-2	TS	0,003
Chromium (Cr)	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	0,05
Copper (Cu)	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	1
Nickel (Ni)	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	0,02
Mercury (Hg)	mg/l	< 0,0001	0,0001	DIN EN ISO 12846	TS	0,001
Selenium (Se)	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	0,01
Uranium (U)	mg/l	< 0,0002	0,0002	DIN EN ISO 17294-2	TS	
Group Parameters						
Cyanides (CN)	mg/l	< 0,005	0,005	DIN EN ISO 14403-2	TS	0,07
Calculated / additional Parameters						
Borate (BO_3)	mg/l	< 0,11	0,11	DIN EN ISO 11885	TS	30
Boric acid (H_3BO_3)	mg/l	0,11	0,11	DIN EN ISO 11885	TS	
Acid capacity until pH 4,3	mmol/l	0,89	0,05	DIN 38409-7	TS	
Acid capacity until pH 8,2	mmol/l	< 0,05	0,05	DIN 38409-7	TS	

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Ionic-Balance

Cations:

Parameter	mg/l	meq/l	meq%
Sodium	2,8	0,122	10,67
Potassium	0,3	0,008	0,67
Ammonium	< 0,02		
Magnesium	2,9	0,239	20,89
Calcium	15,5	0,773	67,74
Strontium	0,006	0,00014	0,01
Barium	< 0,005		
Manganese	< 0,005		
Iron	0,006	0,00021	0,02
total:	21,5	1,142	100

Anions:

Parameter	mg/l	meq/l	meq%
Fluoride	0,03	0,0016	0,14
Chloride	1,2	0,034	2,98
Nitrite	< 0,005		
Nitrate	2,6	0,042	3,69
Sulfate	8,3	0,173	15,22
Hydrogencarbonate	54	0,88	77,96
Carbonate	< 3		
total:	66	1,14	100

Assessment

Basis for the assessment:
German Mineral- and table water regulation based on EU directives 2009/54/EC and 2003/40/EC.

All tested parameters follow the limit- and guideline values.

The laboratory sites of the SGS group Germany according to the abbreviations mentioned above including the corresponding accreditation process numbers are listed at
http://www.institut-fresenius.de/filestore/89/laborstandortkuerzelsgs.pdf.

SGS INSTITUT FRESENIUS GmbH

i.A. Dr. Ulrich Kreuter
Customer Service Product Manager

Summary of used test methods:

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DEV D8	1971
DIN 38405-4	1985-07
DIN 38409-7	2005-12
DIN EN 26777	1993-04
DIN EN 27888	1993-11
DIN EN ISO 10304-1	2009-07
DIN EN ISO 11732	2005-05
DIN EN ISO 11885	2009-09
DIN EN ISO 12846	2012-08
DIN EN ISO 14403-2	2012-10
DIN EN ISO 17294-2	2017-01

*** End of test report ***

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