

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

Berlidan GmbH
Ahornallee 30/31
14050 Berlin

Test Report 7895127
Order No. 7700450
Customer No. 10253223



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Health & Nutrition, Food
SGS INSTITUT FRESENIUS GmbH
Im Maisel 14
D-65232 Taunusstein

Taunusstein, 05.03.2026

Your order/project: Marketability Check Mineral Water
Your purchase order number: Anastasiia Obukhova

Inspection period from 30.01.2026 until 04.03.2026

Sample No. 260099843

Berlidan GmbH
Monte Minerale

0,25 L Glas

Date of receipt: 30.01.2026

Type of receipt

Sample matrix

spring water

sent by you

Sampler CUSTOMER

Code of Lot

22.05.26 16:31

Parameter

Unit

Result

Limit of
quantification

Method

Lab Requirements

Sensory Tests

Testperson I		0		Organoleptic Test ⁽¹⁾	TS
Colour					
Testperson I		0		Organoleptic Test ⁽¹⁾	TS
Odour					
Testperson I		0		Organoleptic Test ⁽¹⁾	TS
Turbidity					
Testperson II		0		Organoleptic Test ⁽¹⁾	TS
Colour					
Testperson II		0		Organoleptic Test ⁽¹⁾	TS
Odour					
Testperson II		0		Organoleptic Test ⁽¹⁾	TS
Turbidity					
Testperson III		0		Organoleptic Test ⁽¹⁾	TS
Colour					
Testperson III		0		Organoleptic Test ⁽¹⁾	TS
Odour					
Testperson III		0		Organoleptic Test ⁽¹⁾	TS
Turbidity					

(1) not accredited.

Organoleptic impression

no sensory deviation

Legend: 0 unmodified, 1 very slightly strange, 2 slightly strange, 3 clearly strange, 4 very strange

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Berlidan GmbH
Monte Minerale
0,25 L Glas

Parameter	Unit	Result	Limit of quant.	Method	Lab Limit value
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Phys.-chem. and phys. Parameters

Conductivity (25°C)	µS/cm	337	3	DIN EN 27888	TS
Density at 20°C	g/ml	0,99848		DEV C 9	TS

Radionuclides and Ingestion dose

Radium-226	mBq/l	5,5		Gamma spectrometry ⁽¹⁾	
Radium-228	mBq/l	< 5,0		Gamma spectrometry ⁽¹⁾	
Ingestion dose (<1a)	mSv/a	0,038		96/29/EURATOM ⁽¹⁾	
Ingestion dose (>17a)	mSv/a	0,002		96/29/EURATOM ⁽¹⁾	
Ingestion dose	mSv/a	0,004		2013/51/EURATOM WHO (2004) ⁽¹⁾	

(1) subcontracted.

Cations

Sodium (Na)	mg/l	3,8	0,1	DIN EN ISO 11885	TS	
Potassium (K)	mg/l	0,2	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	10,7	0,1	DIN EN ISO 11885	TS	
Calcium (Ca)	mg/l	51,5	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	0,040	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	< 0,005	0,005	DIN EN ISO 11885	TS	

Anions

Fluoride (F)	mg/l	0,04	0,02	DIN EN ISO 10304-1	TS	5,0
Chloride (Cl)	mg/l	3,9	1	DIN EN ISO 10304-1	TS	
Nitrite (NO ₂)	mg/l	0,031	0,005	DIN EN 26777	TS	0,1
Nitrate (NO ₃)	mg/l	2,7	0,3	DIN EN ISO 10304-1	TS	50
Sulfate (SO ₄)	mg/l	3,3	1	DIN EN ISO 10304-1	TS	
Hydrogencarbonate (HCO ₃)	mg/l	211	3	DEV D8	TS	
Carbonate (CO ₃)	mg/l	< 3	3	DEV D8	TS	

Undissociated Substances

Boric acid (HBO ₂)	mg/l	< 0,08	0,08	DIN EN ISO 11885	TS
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Total Dissolved Minerals

Total dissolved minerals	mg/l	287
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Parameter	Unit	Result	Limit of quant.	Method	Lab Limit value
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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 VI	µg/l	0,43	0,02	EPA 218.7	TS	
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	0,0005	0,0002	DIN EN ISO 17294-2	TS	
Vanadium	mg/l	< 0,001	0,001	DIN EN ISO 17294-2	TS	

Group Parameters

Cyanides (CN)	mg/l	< 0,005	0,005	DIN EN ISO 14403-2	TS	0,07
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Calculated / additional Parameters

Borate (BO ₃)	mg/l	< 0,11	0,11	DIN EN ISO 11885	TS	30
Boric acid (H ₃ BO ₃)	mg/l	< 0,11	0,11	DIN EN ISO 11885	TS	
Acid capacity until pH 4,3 mmol/l		3,46	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	3,8	0,165	4,56
Potassium	0,2	0,005	0,14
Ammonium	< 0,02		
Magnesium	10,7	0,880	24,31
Calcium	51,5	2,570	70,96
Strontium	0,040	0,00091	0,03
Barium	0,005	0,00007	< 0,01
Manganese	< 0,005		
Iron	< 0,005		
total:	66,2	3,621	100

Anions:

Parameter	mg/l	meq/l	meq%
Fluoride	0,04	0,0021	0,06
Chloride	3,9	0,110	2,99
Nitrite	0,031	0,00067	0,02
Nitrate	2,7	0,044	1,18
Sulfate	3,3	0,069	1,87
Hydrogencarbonate	211	3,46	93,89
Carbonate	< 3		
total:	221	3,68	100

Assessment

Basis for the assessment:

German Mineral- and table water regulation (bottled water), 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
https://sgs-institut-fresenius.de/fileadmin/Media/Allgemein_Unternehmen_Karriere/Akkreditierungen_Zulassungen/laborstandortkuerzelsgs.pdf

SGS INSTITUT FRESENIUS GmbH

i.A. Laura De Friend
Customer Service Consultant Beverages



Foto Nr. 0001 der Probe 260099843.JPG



Foto Nr. 0002 der Probe 260099843.JPG

Summary of used test methods:
2013/51/EURATOM

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WHO (2004)

96/29/EURATOM

DEV C 9

DEV D8

1971

DIN 38409-7

2005-12

DIN EN 26777

1993-04

DIN EN 27888

1993-11

DIN EN ISO 10304-1

2009-07 Determination of dissolved anions by liquid chromatography of ions

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

EPA 218.7

Gamma spectrometry

Organoleptic Test

*** End of test report ***

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