

INVESTIGATION REPORT

**Customer: HYD Rákkutató és
Gyógyszerfejlesztő Kft.**

1118 Budapest, Villányi út 97.

Project: HYD - Singapore (2023/K/05415)

Report no.: 807544/1

Testing laboratory accredited by NAH under reg. no. NAH-1-1398/2019.

Beginning of analysis: 30. 05. 2023.

End of analysis: 10. 06. 2023.

The laboratory is not responsible for information provided by the customer.
In the case of samples not taken by the laboratory, results refer only to the samples delivered to the
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Summary of samples
 Shipped by: DHL Received in laboratory: 23/05/2023 10:19 Order number: 2023/016414

Sample ID	Date of sampling	Sample type	Sample ID	Quantity	Type of sample holder	Preservation	Accreditation of sampling	Sampling organization	Comment
Preventa-125 non carbonated drinking water LotN: 0065/2022	23/05/2023	Drinking water	0003857760	1500 cm ³	1.5 l plastic container	Cooling	Non accredited	HYD Rákutató és Gyógyszerfejlesztő Kft.	
Preventa-125 non carbonated drinking water LotN: 0065/2022	23/05/2023	Drinking water	0003857762	1500 cm ³	1.5 l plastic container	Cooling	Non accredited	HYD Rákutató és Gyógyszerfejlesztő Kft.	
Preventa-25 non carbonated drinking water LotN: 0003/2023	23/05/2023	Drinking water	0003857763	1500 cm ³	1.5 l plastic container	Cooling	Non accredited	HYD Rákutató és Gyógyszerfejlesztő Kft.	
Preventa-25 non carbonated drinking water LotN: 0003/2023	23/05/2023	Drinking water	0003857764	1500 cm ³	1.5 l plastic container	Cooling	Non accredited	HYD Rákutató és Gyógyszerfejlesztő Kft.	
Preventa-85 non carbonated drinking water LotN: 0002/2023	23/05/2023	Drinking water	0003857761	1500 cm ³	1.5 l plastic container	Cooling	Non accredited	HYD Rákutató és Gyógyszerfejlesztő Kft.	
Preventa-85 non carbonated drinking water LotN: 0002/2023	23/05/2023	Drinking water	0003857765	1500 cm ³	1.5 l plastic container	Cooling	Non accredited	HYD Rákutató és Gyógyszerfejlesztő Kft.	

General water chemistry

Sample type: Drinking water

- (1) MSZ 1484-13:2009 4. fejezet
- (2) MSZ EN 26777:1998
- (3) EPA Method 376.2:1978
- (4) MSZ 448-14:1990 3. fejezet
- (5) MSZ EN ISO 10304-1:2009
- (6) MSZ 10889-2:1981
- (7) MSZ EN ISO 8467:1998
- (8) MSZ 260-30:1992
- (9) WBSE-152:2021

Component	Unit	Sample		
		Preventa-125 non carbonated drinking water LotN: 0065/2022	Preventa-25 non carbonated drinking water LotN: 0003/2023	Preventa-85 non carbonated drinking water LotN: 0002/2023
Nitrite ^{1,2}	mg/dm ³	<0.01	<0.01	<0.01
Sulfide ^{3,4}	mg/dm ³	<0.01	<0.01	<0.01
Chloride ⁵	mg/dm ³	2	187	<1
Nitrate ⁵	mg/dm ³	<1	<1	<1
Metabórsav ⁶	mg/dm ³	0,20	0,16	0,24
Fluorineide ⁵	mg/dm ³	0.3	<0.1	0.2
Permanganate index ⁷	mgO ₂ /dm ³	2.6	3.0	2.1
Cyanide (total) ⁸	µg/dm ³	<5	<5	<5
Bromate ⁹	µg/dm ³	<2	<2	<2

Instruments: 1290_HPLC_6495_QQQ; Metrohm 905 titrator; Metrohm 930 Compact IC; UV/VIS Evolution300; UV/VIS Evolution300 (2)

Element content

Sample type: Drinking water

- (1) MSZ EN ISO 17294-2:2017
- (2) EPA Method 200.8:1999

Component	Unit	Sample		
		Preventa-125 non carbonated drinking water LotN: 0065/2022	Preventa-25 non carbonated drinking water LotN: 0003/2023	Preventa-85 non carbonated drinking water LotN: 0002/2023
Antimony ¹	µg/dm ³	<0.5	<0.5	<0.5
Arsenic ¹	µg/dm ³	<0.5	<0.5	<0.5
Barium ¹	µg/dm ³	55.4	5.7	29.9
Boron ¹	mg/dm ³	<0.05	<0.05	<0.05
Mercury ^{1,2}	µg/dm ³	<0.2	<0.2	<0.2
Cadmium ¹	µg/dm ³	<0.1	<0.1	<0.1
Chromium ¹	µg/dm ³	<0.5	<0.5	<0.5
Manganese ¹	µg/dm ³	127	14.4	64.7
Nickel ¹	µg/dm ³	<0.5	1.0	<0.5
Lead ¹	µg/dm ³	0.7	0.8	<0.5
Copper ¹	mg/dm ³	0.0704	0.0659	0.0560
Selenium ¹	µg/dm ³	<1	<1	<1

Instruments: Agilent 7900 ICP-MS 03

Determination of volatile halogenated aliphatic hydrocarbons

Sample type: Drinking water

(1) MSZ 1484-5:1998 (recalled standard) 7.3. section

Component	Unit	Sample		
		Preventa-125 non carbonated drinking water LotN: 0065/2022	Preventa-25 non carbonated drinking water LotN: 0003/2023	Preventa-85 non carbonated drinking water LotN: 0002/2023
Trichloromethane (Chloroform) ¹	µg/dm ³	<1	<1	<1
Bromoform ¹	µg/dm ³	<1	<1	<1
Dibromochloromethane ¹	µg/dm ³	<1	<1	<1
Bromodichloromethane ¹	µg/dm ³	<1	<1	<1
Sum of trihalomethanes (4) (b) ¹	µg/dm ³	<1	<1	<1

(b) Mathematical sum of individual components.

Instruments: HP-7890-GCMS_26-5977

12. 06. 2023.

Gábor Volk
Deputy Head of Laboratory

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