

T.C.
ERZURUM VALİLİĞİ
İL SAĞLIK MÜDÜRLÜĞÜ

KAYNAK SUYU ÜRETİM İZİNİNE ESAS ANALİZ SERTİFİKASI

Ruhsat No : KS.25.05
KAYNAK SUYUNUN
Ticari Adı: DESNİ PALANDÖKEN
Nenehatun Köyü Hamamderesi Akgöze Mevkii
Palandöken/Erzurum
Tesis Adresi: Erzurum Büyükşehir Belediyesi
Sahibi: Desni Group Gıd.İnş.Taah.Tur.Taş..Tic. San.
İşleticisi: Ltd. Şti.

Tarih : 07.02.2013
Düzenleme Tarihi: 08.03.2018
Kaynak Adedi: 1
Nenehatun Köyü Hamamderesi Akgöze Mevkii
Yakutiye/Erzurum
Kaynak Adresi: 30 L/sn
Toplam Debisi: Pet Bardak,0.33L-0.5 L-1.5 L-5L-10L -19 L Pet
İmla Şekli:

NİTELİKLERİ

A. MİKROBİYOLOJİK PARAMETRELER

Parametre	Birim	Değeri
E. coli	250 ml' de	0
Enterokok	250 ml' de	0
Koliform bakteri	250 ml' de	0
P. aeruginosa	250 ml' de	0
Fekal koliform bakteri	250 ml' de	0
Patojen mikroorganizmalar	100 ml' de	0
Anaerob sporlu sülfat redükte eden bakteriler	50 ml' de	0
Patojen stafilkoklar	100 ml' de	0
Koloni sayısı (22 °C)	ml' de	0
Koloni sayısı (37 °C)	ml' de	0
Parazitler	100 ml' de	0
Diğer mikroskobik canlılar	100 ml' de	0

B. KİMYASAL PARAMETRELER

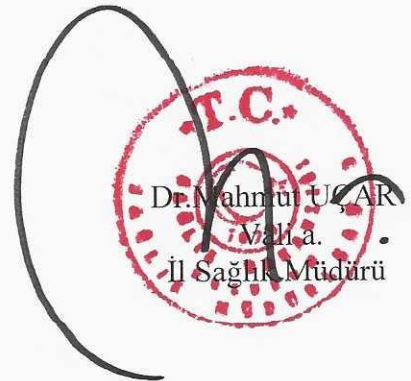
Parametre	Birim	Değeri
Akrilamid	µg/L	T.E
Antimon	µg/L	<0.2
Arsenik	µg/L	7.019
Benzen	µg/L	T.E
Benzo(a)piren	µg/L	T.E
Bor	mg/L	0.13
Bromat	µg/L	T.E
Kadmiyum	µg/L	<0.005
Krom	µg/L	0.753
Bakır	mg/L	0.0018
Siyanür	µg/L	<2
Epikloridin	µg/L	T.E
Florür	mg/L	0.28
Kurşun	µg/L	<0.04
Civa	µg/L	<0.02
Nikel	µg/L	4.845
Nitrat	mg/L	13.05
Nitrit	mg/L	T.E

B. KİMYASAL PARAMETRELER (devam)

Parametre	Birim	Değeri
Pestisitler	µg/L	T.E
Toplam pestisitler	µg/L	T.E
PAH (Polisiklik aromatik hidrokarbonlar)	µg/L	T.E
Selenyum	µg/L	<0.2
Tetrakloreten ve trikloreten	µg/L	T.E
Toplam Trihalometanlar	µg/L	T.E
Vinil Klorür	µg/L	T.E

C. GÖSTERGE PARAMETRELERİ

Parametre	Birim	Değeri
Koloni sayısı (22 °C)	ml' de	0
Koliform bakteri	250 ml' de	0
Renk		UYGUN
Koku		UYGUN
Tat		UYGUN
Bulanıklık		UYGUN
pH		7.59
İletkenlik	µS/cm	87.7
Alüminyum	µg/L	2.3
Amonyum	mg/L	0.14
Klorür	mg/L	8.47
Demir (çift değerli)	µg/L	0.92
Mangan	µg/L	0.1
Oksitlenebilirlik	mg/L	0.8
Sülfat	mg/L	3.75
Sodyum	mg/L	4.183


T.C.
Dr. Mahmut UÇAR
Vali a.
İL Sağlık Müdürü

**REPUBLIC OF TURKEY
GOVERNORSHIP OF ERZURUM
DIRECTORATE OF PUBLIC HEALTH
SPRING WATER PRODUCTION PERMISSION**

Commercial Name: DESNİ PALANDÖKEN License No: KS25.05

Owner: Erzurum Metropolitan Municipality Date of Issue: 07 February 2013

Operator: Desni Group Grd. İnş. Taah. Tur. Taş. Tic. San. Ltd. Şti Groundwater Extraction Number: 1

Company Address: Central Nenehatun Köyü, Hamamderesi Akgöze Mevkii Plot No: i46-b-08-b, Parcel No: 308-317 Mass Flow Rate: Nen30 Liters per Second

Plant Address: Central Nenehatun Köyü, Hamamderesi Akgöze Mevkii Palandöken / Erzurum Refilling Type: Cup - 0.5 Lt; 1.5 Lt; 5 Lt; Plastic Bottle; 19 Lt. Non-return Plastic Bottle

This Certificate of Production has been issued in accordance with the provisions of "Regulations Concerning Water Intended for Human Consumption" prepared by **REPUBLIC OF TURKEY MINISTRY OF HEALTH**, published in the official Gazette no 25730 dated 17 February 2005 and effectuated on the same date with revisions published in the official Gazette no 28580 dated 07 March 2013.

Remarks : 0.33 Lt Type of Refilling has been added.

Date of Issue : 15 June 2017



M. YAVUZ KONCA
TRANSLATOR
UNDER OATH
at Erzurum.....Public Notary

I hereby certify that this is the true and correct English translation of the original Turkish document that was submitted to me in person.

**REPUBLIC OF TURKEY
GOVERNORSHIP OF ERZURUM
DIRECTORATE OF PUBLIC HEALTH**

CONSTITUTIVE ANALYSIS CERTIFICATE FOR SPRING WATER PRODUCTION

License No: KS.25.05
SPRING WATER'S
Commercial Name: DESNİ PALANDÖKEN
Plant Location: Nenehatun Köyü, Hamamderesi Akgöze Mevkii Palandöken / Erzurum
Owner: Special Provincial Administration
Operator: Desni Group Gıd.İnş.Taah.Tur.Taş.Tic.San.Ltd.

Date: 07 February 2013
Date of Issue: 24 July 2013
Number of Springs: 1
Spring Location: Nenehatun Köyü, Hamamderesi Akgöze Mevkii Palandöken / Erzurum
Total Mass Flow Rate: 30 Liters per Second
Refilling Type: Cup - 0.5 Lt; 1.5 Lt; 5 Lt; 10 Lt. Plastic Bottle; 19 Lt. Non-return Plastic Bottle

SPECIFICATIONS:

A. MICROBIOLOGICAL PARAMETERS

Parameter	Unit	Value
E. Coli	in 250 ml	0
Enterococcus	in 250 ml	0
Coliform Bacteria	in 250 ml	0
Pseudomonas Aeruginosa	in 250 ml	0
Fecal Coliform Bacteria	in 250 ml	0
Pathogenic Microorganisms	in 100 ml	0
Bacteria reducing sulfate with Anaerobe organisms	in 50 ml	0
Pathogenic Staphylococci	in 100 ml	0
Colony Number (22°C)	in ml	0
Colony Number (37°C)	in ml	0
Parasites	in 100 ml	0
Other Microscopic Creatures	in 100 ml	0

B. CHEMICAL PARAMETERS

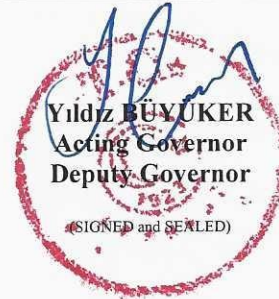
Acrylamide	µg/L	T.E.
Antimon	µg/L	<0.2
Arsenic	µg/L	7.019
Benzene	µg/L	T.E.
Benzopyrene	µg/L	T.E.
Boron	mg/L	0.13
Bromate	µg/L	T.E.
Cadmium	µg/L	<0.005
Chromium	µg/L	0.753
Copper	mg/L	0.0018
Cyanide	µg/L	<2
Epichlorhydrin	µg/L	T.E.
Fluoride	mg/L	0.28
Lead	µg/L	<0.04
Mercury	µg/L	<0.02
Nickel	µg/L	4.845
Nitrate	mg/L	13.05
Nitrite	mg/L	T.E.

B. CHEMICAL PARAMETERS (Continued)

Pesticides	µg/L	T.E.
Total Pesticides	µg/L	T.E.
PAH (Polycyclic Aromatic Hydrocarbons)	µg/L	T.E.
Selenium	µg/L	<0.2
Tetrachloroethane and Trichloroethane	µg/L	T.E.
Total Trichloroethanes	µg/L	T.E.
Vinyl Chloride	µg/L	T.E.

C. INDICATOR PARAMETERS

Colony Number (22°C)	in ml	0
Coliform Bacteria	in 250 ml	0
Colour		PROPER
Odour		PROPER
Flavour		PROPER
Opacity		PROPER
pH		7.59
Conductivity	µS/L	87.7
Aluminium	µg/L	2.3
Amonium	mg/L	0.14
Chloride	mg/L	8.47
Ferrous Iron	µg/L	0.92
Manganese	µg/L	0.1
Oxidizability	mg/L	0.8
Sulphate	mg/L	3.75
Sodium	mg/L	4.183



20 February 2018 - Unit Supervisor - Specialist Dr. S. ÖZER (SIGNED)
20 February 2018 - Vice President - Specialist Dr. S. KARAHASANOĞLU (SIGNED)
20 February 2018 - President - Asst. Prof. Dr. Ö. ÇELEBİ (SIGNED)
20 February 2018 - Public Health Director Dr. M. UÇAR (SIGNED)

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