



ARTEK MÜHENDİSLİK
Çevre Ölçüm ve Danışmanlık Hiz. Tic. A.Ş.
ÇEVRE LABORATUVARI

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AB-0012-T
ADN.SU.23.1204001
12-23

ANALYSIS REPORT

Report Number / Date	ADN.SU.23.1204001 / 25/12/2023	Rapor Onay Tarihi	
Company	MERSİN TARSUS ORGANİZE SANAYİ BÖLGE MÜDÜRLÜĞÜ		
Company Address	Nacarlı Köyü Mevkii PK.1 Tarsus/Mersin/Turkey		
Sample Number	ADN.SU.23.1204001	Sample Taken From	Müdüriyet Çay Ocağı
Customer Sample No		Sampling Date - Time	04/12/2023 14:30:00 04/12/2023 14:30:00
Sample Type	Water	Handling Porcesses	Chemical Protection – Cold Chain
Sample Taken By	ARTEK ADANA BRANCH	Sample Accepted On	04/12/2023 - 17:38:59
Sample Taken As	Instant	Analysis Conducted On	04/12/2023 14/12/2023
Sample Delivery	Taking On Site	Number of Pages	4
Quantity / Package	10500 ml Plastic / Glass Bottle		

Method Number	Method Name - Date
EPA 200.7	Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
SM 2320 B	Standard Methods - Alkalinity - Titration Method-(2011)
SM 4500-Cl- B	Standard Methods - Chloride - Argentometric Method-(2011)
SM 2120 C	Standard Methods - Colour -Spectrophotometric- Single- Wavelength Method-(2011)
SM 2510 B	Standard Methods - Conductivity - Laboratory Method-(2011)
SM 4500-CN E	Standard Methods - Cyanide - Colorimetric Method-(2016)
SM 2160 B	Standard Methods - Flavor Threshold Test (FTT) (2011)
SM 4500-F B, D	Standard Methods - Fluoride - Preliminary Distillation Step (2011) /Standard Methods - SPADNS Method-(2011)
SM 2340 C	Standard Methods - Hardness - EDTA Titrimetric Method-(2011)
SM 4500-NH3 B, F	Standard Methods - Nitrogen (Ammonia) - Preliminary Distillation Step- (2011), Standard Methods - Phenate Method-(2011)
SM 4500-NO3 E	Standard Methods - Nitrogen (Nitrate) - Cadmium Reduction Method-(2016)
SM 4500-NO2 B	Standard Methods - Nitrogen (Nitrite) - Colorimetric Method-(2011)
SM 2150 B	Standard Methods - Odor - Threshold Odor Test-(2011)
SM 4500-H+ B	Standard Methods - pH Value - Electrometric Method-(2011)

ARTEK accredited by TÜRKAK under registration number AB-0012-T for TS EN ISO/IEC 17025 as test laboratory. Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports. The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report. Testing reports without signature are not valid. This report shall not be reproduced other than in full except with the permission of the laboratory. No part of this report can be used alone or separately. The results in the report is belong only to the sample examined. Sampling and transportation operations of the samples taken by our company were carried out in accordance with the Sampling Procedure, Sampling Instruction and sampling plan. Technical and legal responsibility in defining group and parameters intended of the procedures shall be on the company who takes sampling. The legal responsibility of the information provided by the customer belongs to the customer, our company waives the consequences resulting from this information. This report is not used in official processes in respect of environment legislatures. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070. The validity of e-signed reports is provided only through digital documents. The validity of the report cannot be verified when printed.

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Method Number	Method Name - Date
SM 4500-SO4-2 E	Standard Methods - Sulfate - Turbidimetric Method-(2011)
SM 2130 B	Standard Methods - Turbidity - Nephelometric Method-(2011)
TS 6288 EN ISO 8467	Water Quality - Permanganate Index Determination
TS EN ISO 9308-1	Water Quality- Enumeration of Escherichia Coli and Coliform bacteria -Part 1: Membrane Filtrationmethod for waters with low bacterial background flora-(2014/A1:2017)

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Analysis Parameters	Analysis Method	Unit	Analysis Result
Nitrate (*)	SM 4500-NO3 E	mg/L	1,4
Alkalinity (**)	SM 2320 B	mg/L	176
Ammonium (*)	SM 4500-NH3 B, F	mg/L	<0,025
Turbidity (**)	SM 2130 B	NTU	0,84
Fluoride (**)	SM 4500-F B, D	mg/L	0,19
Chloride (**)	SM 4500-Cl- B	mg/L	48
Odor (x)	SM 2150 B	TON	1
Nitrite (**)	SM 4500-NO2 B	mg/L	<0,006
pH (*y)	SM 4500-H+ B		8,1
Color (*)	SM 2120 C	Pt-Co	<5
Hardness (**)	SM 2340 C	mg CaCO3/L	90
Cyanide (x)	SM 4500-CN E	mg/L	<0,02
Sulfate (**)	SM 4500-SO4-2 E	mg/L	28,2
Taste (x)	SM 2160 B	FTN	1
Coliform Furnaces (**)	TS EN ISO 9308-1	cfu/100 mL	0
E.Coli (*)	TS EN ISO 9308-1	cfu/100 mL	0
İletkenlik (*y)	SM 2510 B	µS/cm	384
Oxidability (a)	Water Quality - Permanganate Index Determination	mg/L O2	0,86
Aluminum (a)	EPA 200.7	mg/L	0,013
Copper (a)	EPA 200.7	mg/L	0,015
Boron (a)	EPA 200.7	mg/L	0,251
Mercury (a)	EPA 200.7	mg/L	<0,002
Iron (a)	EPA 200.7	mg/L	0,013
Cadmium (a)	EPA 200.7	mg/L	<0,0005
Chromium (a)	EPA 200.7	mg/L	<0,001

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Analysis Parameters	Analysis Method	Unit	Analysis Result
Lead (a)	EPA 200.7	mg/L	0,009
Sodium (a)	EPA 200.7	mg/L	9,74

(*,**) The marked parameters are reported under accreditation and reported out off ministry.
(x) Marked parameters are reported out off accreditation.
(*y) The marked parameters were measured on site by our authorized personel.
(a) The marked parameters were analyzed by the collaboration laboratory.

Descriptions : This report has been prepared in 1(one) copy and sent to the customer. This report is archived electronically by our laboratory.

Signatures of Personel in
Charge:

Esma TUFAN
Laboratory Unit Manager
Digitally Signed

Gizem KANAT
Branch Laboratory Manager
Digitally Signed

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