



Yeterlik Belge No
Y-34/073/2020



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

Mehmet Akif Mah. Elalmış Cad. Tarık Buğra Sok. No:15 - Ümraniye/Turkey
Tel: +90 216 499 02 49 (Pbx) Faks: +90 216 499 28 68
www.artekcevre.com.tr

AB-0012-T
IST.TP.21.0604038
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604038 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604038	Sample Taken From	SOIL 1
Customer Sample No		Sampling Date - Time	03/06/2021 08:10:00 03/06/2021 08:10:00
Sample Type	Soil	Handling Porcesses	Cold Transport
Sample Taken By	ARTEK	Sample Accepted On	04/06/2021 - 17:04:44
Sample Taken As	Instant	Analysis Conducted On	04/06/2021 17/06/2021
Sample Delivery	Taking On Site	Number of Pages	2
Quantity / Package	500 gr Glass Container		

Koordinat: 41°06'39.41" K 28°46'28.08" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

ARTEK accredited by TÜRKAK under registration number AB-0012-T for TS EN ISO/IEC 17025 as test laboratory. Turkish Accreditation Agency (TÜRKAK) 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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.

Sayfa (1 / 2)

FORM NO:FR.510.01-01
YAYIN TARİHİ:14.02.2013

REV.NO: 4
REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



ARTEK MÜHENDİSLİK
Çevre Ölçüm ve Danışmanlık Hiz. Tic. A.Ş.
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AB-0012-T
IST.TP.21.0604038
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604038 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	11,2
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	18,2
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	32,5
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	0,68
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	6,2
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	34,4
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	30,1
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	37,5
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	32,4

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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Sayfa (2 / 2)



Yeterlik Belge No
Y-34/073/2020



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AB-0012-T
IST.TP.21.0604039
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604039 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604039	Sample Taken From	SOIL 2
Customer Sample No		Sampling Date - Time	03/06/2021 08:30:00 03/06/2021 08:30:00
Sample Type	Soil	Handling Porcesses	Cold Transport
Sample Taken By	ARTEK	Sample Accepted On	04/06/2021 - 17:04:56
Sample Taken As	Instant	Analysis Conducted On	04/06/2021 17/06/2021
Sample Delivery	Taking On Site	Number of Pages	2
Quantity / Package	500 gr Glass Container		

Koordinat: 41°06'19.84" K 28°44'15.39" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

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Sayfa (1 / 2)

FORM NO:FR.510.01-01
YAYIN TARİHİ:14.02.2013

REV.NO: 4
REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



ARTEK MÜHENDİSLİK
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AB-0012-T
IST.TP.21.0604039
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604039 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	20,1
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	32,8
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	88
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	1
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	15,6
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	35,6
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	50,7
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	69,1
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	75,2

* Marked parameters are reported under accreditation and Ministry.

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

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Sayfa (2 / 2)



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AB-0012-T
IST.TP.21.0604040
07-21

ANALİZ RAPORU

Rapor No / Tarihi	IST.TP.21.0604040 / 05/07/2021		
Müşterinin Adı	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Müşterinin Adresi	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey Türkiye		
Numune No	IST.TP.21.0604040	Numunenin Alındığı Yer	SOIL 3
Müşteri Numune No		Numunenin Alınma Tarihi - Saati	03/06/2021 08:50:00 03/06/2021 08:50:00
Numune Türü	TOPRAK	Numuneye Uygulanan İşlemler	Soğuk Zincir
Numuneyi Alan	ARTEK	Numunenin Kabul Tarihi-Saati	04/06/2021 - 17:05:36
Numunenin Alınma Şekli	Anlık	Analiz Başlangıç / Bitiş	04/06/2021 17/06/2021
Numunenin Getirilişi	Yerinden Alınma	Sayfa Sayısı	2
Numune Miktarı / Ambalajı	500 gr Cam Kavanoz		

Koordinat: 41°07'58.68" K 28°42'07.73" D

Metot Numarası	Metot Adı - Tarih
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

Deney laboratuvarı olarak faaliyet gösteren ARTEK, TÜRKAK' tan [AB-0012-T] ile [TS EN ISO/IEC 17025] standardına göre akredite edilmiştir. Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınırlığı konusunda Avrupa Akreditasyon Birliği (EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma anlaşması imzalamıştır. Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan sayfalarda verilmiştir. İmzasız raporlar geçersizdir. Bu rapor laboratuvarımızın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. Bu raporun hiçbir bölümü tek başına veya ayrı ayrı kullanılamaz. Raporda yer alan sonuçlar sadece incelenen numuneye aittir. Firmamız tarafından alınan numunelerde; numune alma ve taşıma işlemleri Numune Alma Prosedürüne, Numune Alma Talimatına ve numune alma planına uygun olarak gerçekleştirilmiştir. Analiz yapılan numunede, numunenin alınışından laboratuvarımıza teslimine kadar olan prosedürlerin ve bakılması istenen grup ve parametrelerin belirlenmesinde teknik ve hukuki sorumluluk numuneyi alana aittir. Müşteri tarafından sağlanan bilgilerin hukuki sorumluluğu müşteriye aittir, firmamız bu bilgilerden kaynaklanacak sonuçlardan feragat eder. Elektronik imzalı raporlar 5070 sayılı Elektronik İmza Kanunu' na göre elektronik imza ile imzalanmıştır.

Sayfa (1 / 2)



Yeterlik Belge No
Y-34/073/2020



ARTEK MÜHENDİSLİK
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ÇEVRE LABORATUVARI

AB-0012-T
IST.TP.21.0604040
07-21

ANALİZ RAPORU

Firma Adı	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Rapor No / Tarihi	IST.TP.21.0604040 / 05/07/2021		
Analiz Parametreleri	Analiz Metodu	Birim	Analiz Sonucu
Antimon (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenik (*)	EPA 3051A/EPA 200.7	mg/Kg	7,7
Bakır (*)	EPA 3051A/EPA 200.7	mg/Kg	15,9
Civa Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Çinko Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	32,7
Kadmiyum Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	0,57
Kobalt Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	9,9
Kurşun Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	12,4
Nikel Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	46,4
Toplam Krom (*)	EPA 3051A/EPA 200.7	mg/Kg	40,4
Vanadyum Tayini (*)	EPA 3051A/EPA 200.7	mg/Kg	37,1

* Marked parameters are reported under accreditation and Ministry.

Açıklamalar : Bu rapor 1(bir) nüsha halinde hazırlanıp, müşteriye gönderilmiştir. Bu rapor laboratuvarımız tarafından elektronik ortamda arşivlenmektedir.

Sorumlu İmzalar :

Özlem GÜLER
Laboratuvar Birim Yöneticisi
Elektronik olarak imzalanmıştır.

Melahat AYDIN
Laboratuvar Müdürü
Elektronik olarak imzalanmıştır.

Deney laboratuvarı olarak faaliyet gösteren ARTEK, TÜRKAK' tan [AB-0012-T] ile [TS EN ISO/IEC 17025] standardına göre akredite edilmiştir. Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınırlığı konusunda Avrupa Akreditasyon Birliği (EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma anlaşması imzalamıştır. Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan sayfalarda verilmiştir. İmzasız raporlar geçersizdir. Bu rapor laboratuvarımızın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. Bu raporun hiçbir bölümü tek başına veya ayrı ayrı kullanılamaz. Raporda yer alan sonuçlar sadece incelenen numuneye aittir. Firmamız tarafından alınan numunelerde; numune alma ve taşıma işlemleri Numune Alma Prosedürüne, Numune Alma Talimatına ve numune alma planına uygun olarak gerçekleştirilmiştir. Analiz yapılan numunede, numunenin alınışından laboratuvarımıza teslimine kadar olan prosedürlerin ve bakılması istenen grup ve parametrelerin belirlenmesinde teknik ve hukuki sorumluluk numuneyi alana aittir. Müşteri tarafından sağlanan bilgilerin hukuki sorumluluğu müşteriye aittir, firmamız bu bilgilerden kaynaklanacak sonuçlardan feragat eder. Elektronik imzalı raporlar 5070 sayılı Elektronik İmza Kanunu' na göre elektronik imza ile imzalanmıştır.

Sayfa (2 / 2)

FORM NO:FR.510.01-01
YAYIN TARİHİ:14.02.2013

REV.NO: 4
REV.TAR.: 14.12.2020



Yeterlik Belge No
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AB-0012-T
IST.TP.21.0604041
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604041 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604041	Sample Taken From	SOIL 4
Customer Sample No		Sampling Date - Time	03/06/2021 13:00:00 03/06/2021 13:00:00
Sample Type	Soil	Handling Porcesses	Cold Transport
Sample Taken By	ARTEK	Sample Accepted On	04/06/2021 - 17:05:47
Sample Taken As	Instant	Analysis Conducted On	04/06/2021 17/06/2021
Sample Delivery	Taking On Site	Number of Pages	2
Quantity / Package	500 gr Glass Container		

Koordinat: 41°08'00.89" K 28°38'01.29" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
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Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604041 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	9
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	21,1
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	49,2
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	0,27
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	13,3
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	17,6
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	55
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	44,3
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	35,8

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.		

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AB-0012-T
IST.TP.21.0604042
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604042 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604042	Sample Taken From	SOIL 5
Customer Sample No		Sampling Date - Time	03/06/2021 13:00:00 03/06/2021 13:00:00
Sample Type	Soil		
Sample Taken By	ARTEK	Handling Porcesses	Cold Transport
Sample Taken As	Instant	Sample Accepted On	04/06/2021 - 17:05:59
Sample Delivery	Taking On Site	Analysis Conducted On	04/06/2021 17/06/2021
Quantity / Package	500 gr Glass Container	Number of Pages	2

Koordinat: 41°08'12.43" K 28°37'31.50" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

ARTEK accredited by TÜRKAK under registration number AB-0012-T for TS EN ISO/IEC 17025 as test laboratory. Turkish Accreditation Agency (TÜRKAK) 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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.

Sayfa (1 / 2)

FORM NO:FR.510.01-01
YAYIN TARİHİ:14.02.2013

REV.NO: 4
REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



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

AB-0012-T
IST.TP.21.0604042
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604042 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	11,4
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	12
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	31
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,2
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	4,9
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	5,6
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	23
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	26,1
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	30,3

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.		

Sayfa (2 / 2)



Yeterlik Belge No
Y-34/073/2020



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

Mehmet Akif Mah. Elalmış Cad. Tarık Buğra Sok. No:15 - Ümraniye/Turkey
Tel: +90 216 499 02 49 (Pbx) Faks: +90 216 499 28 68
www.artekcevre.com.tr

AB-0012-T
IST.TP.21.0604043
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604043 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604043	Sample Taken From	SOIL 6
Customer Sample No		Sampling Date - Time	03/06/2021 11:55:00 03/06/2021 11:55:00
Sample Type	Soil		
Sample Taken By	ARTEK	Handling Porcesses	Cold Transport
Sample Taken As	Instant	Sample Accepted On	04/06/2021 - 17:06:09
Sample Delivery	Taking On Site	Analysis Conducted On	04/06/2021 17/06/2021
Quantity / Package	500 gr Glass Container	Number of Pages	2

Koordinat: 41°08'42.45" K 28°37'16.95" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

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Sayfa (1 / 2)



Yeterlik Belge No
Y-34/073/2020



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

AB-0012-T
IST.TP.21.0604043
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604043 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	5,5
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	19,6
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	65,1
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,2
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	5,2
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	10,9
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	21,7
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	29,1
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	17,6

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.		

Sayfa (2 / 2)



Yeterlik Belge No
Y-34/073/2020



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

Mehmet Akif Mah. Elalmış Cad. Tarık Buğra Sok. No:15 - Ümraniye/Turkey
Tel: +90 216 499 02 49 (Pbx) Faks: +90 216 499 28 68
www.artekcevre.com.tr

AB-0012-T
IST.TP.21.0604044
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604044 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604044	Sample Taken From	SOIL 7
Customer Sample No		Sampling Date - Time	03/06/2021 14:10:00 03/06/2021 14:10:00
Sample Type	Soil		
Sample Taken By	ARTEK	Handling Porcesses	Cold Transport
Sample Taken As	Instant	Sample Accepted On	04/06/2021 - 17:06:20
Sample Delivery	Taking On Site	Analysis Conducted On	04/06/2021 17/06/2021
Quantity / Package	500 gr Glass Container	Number of Pages	2

Koordinat: 41°09'08.91" K 28°36'28.99" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

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Sayfa (1 / 2)

FORM NO:FR.510.01-01
YAYIN TARİHİ:14.02.2013

REV.NO: 4
REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



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

AB-0012-T
IST.TP.21.0604044
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604044 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	10,2
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	30,3
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	69,9
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	0,5
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	19
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	20
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	79,7
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	54,3
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	49,2

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.		Sayfa (2 / 2)
FORM NO:FR.510.01-01 YAYIN TARİHİ:14.02.2013		REV.NO: 4 REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



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

Mehmet Akif Mah. Elalmış Cad. Tarık Buğra Sok. No:15 - Ümraniye/Turkey
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www.artekcevre.com.tr

AB-0012-T
IST.TP.21.0604045
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604045 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604045	Sample Taken From	SOIL 8
Customer Sample No		Sampling Date - Time	03/06/2021 14:10:00 03/06/2021 14:10:00
Sample Type	Soil	Handling Porcesses	Cold Transport
Sample Taken By	ARTEK	Sample Accepted On	04/06/2021 - 17:06:31
Sample Taken As	Instant	Analysis Conducted On	04/06/2021 17/06/2021
Sample Delivery	Taking On Site	Number of Pages	2
Quantity / Package	500 gr Glass Container		

Koordinat: 41°09'13.30" K 28°36'21.43" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

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Sayfa (1 / 2)

FORM NO:FR.510.01-01
YAYIN TARİHİ:14.02.2013

REV.NO: 4
REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



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

AB-0012-T
IST.TP.21.0604045
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604045 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	11,8
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	31,5
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	72,1
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,2
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	16,8
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	22,1
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	79,4
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	62,9
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	59,9

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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. Electronic signed reports are signed with electronic signature in accordance with the Electronic Signature Law No. 5070.		

Sayfa (2 / 2)



Yeterlik Belge No
Y-34/073/2020



ARTEK MÜHENDİSLİK
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www.artekcevre.com.tr

AB-0012-T
IST.TP.21.0604046
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604046 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604046	Sample Taken From	SOIL 9
Customer Sample No		Sampling Date - Time	03/06/2021 15:10:00 03/06/2021 15:10:00
Sample Type	Soil	Handling Porcesses	Cold Transport
Sample Taken By	ARTEK	Sample Accepted On	04/06/2021 - 17:06:43
Sample Taken As	Instant	Analysis Conducted On	04/06/2021 17/06/2021
Sample Delivery	Taking On Site	Number of Pages	2
Quantity / Package	500 gr Glass Container		

Koordinat: 41°09'19.29" K 28°34'41.54" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

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Sayfa (1 / 2)



Yeterlik Belge No
Y-34/073/2020



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

AB-0012-T
IST.TP.21.0604046
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604046 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	11,1
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	36
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	77,2
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,2
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	26,1
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	33,5
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	101,6
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	63,7
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	59,1

* Marked parameters are reported under accreditation and Ministry.

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 Personnel in	Özlem GÜLER Laboratory Unit Manager Digitally Signed	Melahat AYDIN Laboratory Manager Digitally Signed
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FORM NO:FR.510.01-01 YAYIN TARİHİ:14.02.2013		REV.NO: 4 REV.TAR.: 14.12.2020



Yeterlik Belge No
Y-34/073/2020



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

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AB-0012-T
IST.TP.21.0604047
07-21

ANALYSIS REPORT

Report Number / Date	IST.TP.21.0604047 / 05/07/2021		
Company	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Company Address	Seba Office Boulevard C Blok Ofis No: 42 Ayazaga Mh. Mimar Sinan Sk. No:21 34396 Sarıyer / İstanbul, Turkey		
Sample Number	IST.TP.21.0604047	Sample Taken From	SOIL 10
Customer Sample No		Sampling Date - Time	03/06/2021 16:40:00 03/06/2021 16:40:00
Sample Type	Soil	Handling Porcesses	Cold Transport
Sample Taken By	ARTEK	Sample Accepted On	04/06/2021 - 17:06:55
Sample Taken As	Instant	Analysis Conducted On	04/06/2021 17/06/2021
Sample Delivery	Taking On Site	Number of Pages	2
Quantity / Package	500 gr Glass Container		

Koordinat: 41°03'56.18" K 28°42'07.70" D

Method Number	Method Name - Date
EPA 3051A/EPA 200.7	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils and Oils-(2007)/Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma Atomic Emission Spectrometry-(1994)
ISO 10381-2	Soil Quality - Sampling Part 2 - Guidance on Sampling Techniques-(2002)

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Sayfa (1 / 2)



Yeterlik Belge No
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AB-0012-T
IST.TP.21.0604047
07-21

ANALYSIS REPORT

Company Name	ACE Danışmanlık ve Mühendislik A.Ş. ACE Consulting and Engineering Inc.		
Report Number / Date	IST.TP.21.0604047 / 05/07/2021		
Analysis Parameters	Analysis Method	Unit	Analysis Result
Antimony (*)	EPA 3051A/EPA 200.7	mg/Kg	<2,5
Arsenic (*)	EPA 3051A/EPA 200.7	mg/Kg	7
Copper (*)	EPA 3051A/EPA 200.7	mg/Kg	15,1
Mercury (*)	EPA 3051A/EPA 200.7	mg/Kg	<0,5
Zinc (*)	EPA 3051A/EPA 200.7	mg/Kg	34,4
Cadmium (*)	EPA 3051A/EPA 200.7	mg/Kg	0,42
Cobalt (*)	EPA 3051A/EPA 200.7	mg/Kg	5,7
Lead (*)	EPA 3051A/EPA 200.7	mg/Kg	15,3
Nickel (*)	EPA 3051A/EPA 200.7	mg/Kg	31,2
Total Chromium (*)	EPA 3051A/EPA 200.7	mg/Kg	36
Vanadium (*)	EPA 3051A/EPA 200.7	mg/Kg	29,7

* Marked parameters are reported under accreditation and Ministry.

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