



Nazar Tekstil San. ve Tic. A.Ş

Yarn Production Plant

**Environmental and Social
Monitoring Report**

May 2023



Project Details	
Client Name	Nazar Tekstil San. Ve Tic. A.Ş
Client Representative	Adem Güler
BCA Project Number	01.146.01
BCA Project Coordinator	Burak Deveci

Site Details			
Name of the Site	Nazar Tekstil San. Ve Tic. A.Ş		
Address	Türkoğlu İlçesi, Kılılı Mahallesi, Balsuyu Bulvarı, No:53/1 Kahramanmaraş		
Fieldwork Description	Environmental and Social Monitoring Study		
Site Responsible	Adem Güler	Duty:	Finance Manager

Report Details		
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List of Acronyms

BCA	BCA Group
dB	Decibel
DSİ	State Hydraulic Works
EHS	Environment, Health and Safety
EIA	Environmental Impact Assessment
ERP	Emergency Response Plan
ESMP	Environmental and Social Management Plan
ESMS	Environmental and Social Management System
ESS	Environmental and Social Standards
GFB	Temporary Activity Certificate
HR	Human Resources
HSE	Health and Safety and Environment
IFC	International Finance Corporation
kg	Kilogram
km	kilometer
m	meter
MoEU	Ministry of Environment, Urbanization and Climate Change
MW	Megawatt Electricity
Nazar Tekstil	Nazar Tekstil San. Ve Tic. A.Ş
NO	Number
OHS	Occupational Health and Safety
OSGB	Joint Health and Safety Unit
PDoEU	Provincial Directorate of Environment, Urbanization and Climate Change
PPE	Personal Protective Equipment
Project	Yarn Production Plant
SEP	Stakeholder Engagement Plan
TKYB	Development and Investment Bank of Turkey
WB	World Bank

1.0 Introduction

1.1 Purpose

Nazar Textile San. ve Tic. A.Ş. (Nazar Textile) is producing 100% cotton yarn in Ring Compact Mill with a capacity of 35,000 kg per day, count range is between Ne 24/1 – Ne 60/1 both knitting and weaving torsion in Balsuyu Bulvarı No:53/1, Kılılı Mahallesi in Kahramanmaraş Province. The facility has a co-generation facility with a capacity of 4.592 MW and solar energy panels with a capacity of 2.2 MW on the roof of the facility, the energy produced in these facilities is used in yarn production. Construction activities is ongoing at site for the daily production of 75,000 kg yarn in addition to the existing capacity in the factory area.

BCA Group (BCA) has carried out a comprehensive review to determine the current environmental and social obligations and reviewed the existing environmental and social documents in order to assess the technical/legal risks related to the Plant and the Environmental and Social Management Plans have been prepared in accordance with Environmental Legislation, WB Performance Standards and IFC / WB Guidelines (Environment, Health and Safety General Guidelines), TKYB Environmental and Social Risk Assessment Procedure in Lending Process since Nazar Textile has applied to TKYB for working capital financing of the Project.

Within the scope of this study, audits will be carried out biannually during the loan term and will observe the compliance of the project in line with prepared management plans. Nonconformities, if any, are identified within the scope of the study, corrective and preventive measures that can be taken by the project owner will be suggested to eliminate these nonconformities.

Since the project is not included in the Environmental Permit and License Regulation lists published in the Official Gazette dated 10/09/2014 and numbered 29115, the existing production facility (Open-end and Ring Yarn Manufacturing) has been exempted from Environmental Permit. The exemption letters related with the site operations are listed below;

- 19 August 2014, EIA exemption letter for cogeneration plant (4,592 MW);
- 10 April 2015, EIA exemption letter for open end and ring yarn production plant;
- 28 March 2016, EIA Exemption letter for roof top Solar Power Plant (GES-1,98MW); and
- 11 August 2021, EIA exemption letter for new open end production plant.

This environmental and social monitoring report has been prepared in accordance with the Management Plans prepared for the Site, applicable Turkish regulations, Equator Principles and World Bank/International Finance Corporation (WB/IFC) Performance Standards and Guidelines.

1.2 Site Visit

BCA visited Nazar Textile Yard Production Plant project site in order to determine whether actions in the Management Plans are taken and to evaluate the effectiveness of HS&E procedure. The site visit was postponed until the conditions in the region returned to normal due to the great earthquake on February 6, 2023 and could be held on May 17, 2023 with the approval of the site authorities. A short start-up meeting was held and general information about the site was gathered during this meeting from Nazar Textile OHS and Environment experts, Quality Management and Human Resources officials.

A site visit photolog showing the views taken at the visited locations is presented in Appendix A.

1.3 Limits of Study

This report presents the results of the environmental and social audit work carried out by BCA in order to define the environmental and social responsibilities for the project. In the light of the examinations and research carried out, BCA has fulfilled such responsibilities by independently assessing them within the scope of work defined in its proposal.

As with any audit, this study is to some extent based on information received orally from facility representatives, which cannot be substantiated by visual inspections and is not supported by any written documentation. BCA will not be held responsible for the consequences that may arise from events and situations that are hidden or not fully disclosed by the facility authorities during the inspection.

This report and all field data; It has been prepared and/or obtained based on the agreed scope of work and generally accepted engineering and scientific practices in force during BCA's field investigations. Explanations, conclusions and opinions in the report; it only includes approaches related to the environmental conditions existing in the subject area.

This report, together with all supporting field data and notes (all will be referred to as "information" in the following sections), has been prepared/obtained by BCA for the benefit of Nazar Textile. Nazar Textile may share this information with third parties at its own discretion. However, if the information is used or relied upon by parties other than the aforementioned party, the users only bear the same risk as the aforementioned third parties. In this case, the recovery of damages is subject to a contract, defect (individual, concurrent or including BCA's negligence or liability) or rule, etc. regardless of whether it is based on; No legal application can be made against BCA, its parent company, branches, employees, officers and managers. The said information cannot be used by parties who do not accept the explanations written above.

2.0 Environmental Management

Summary of the major environmental findings are given below:

- Environmental and social management plans (Wastewater, Waste, Air Quality, Occupational Health and Safety, Stakeholder Engagement Plan, etc.) related to the project were prepared by BCA in February 2022 and updated in April 2022. The plan includes the key environmental and social risks, the actions to be taken to adequately address them and the actions to be taken to maximize the environmental or social benefits, the person/unit responsible for implementation and monitoring. It was informed that the necessary updates will be made in the management plans according to the comments given by the bank on August 25, 2022.
- Within the scope of the project, it has been observed that the quality management system certificates (ISO 9001, ISO 14001) are valid until November 2023.
- Nazar Textile has contract with an environmental management service provider (Bilçev Proje Çevre Danışmanlık) to conduct environmental management works in place since January 1, 2023.
- Wastewater discharge is not included in GFB since the project discharges no process wastewater. Domestic wastewaters discharged to municipal sewage line with a permit secured on 4 April 2022 and valid for 3 years. Last wastewater analyses conducted on 29 March 2022 and concentrations are well below municipality discharge standards (Appendix B).
- Environmental noise measurements were completed in 14-15 July 2021 and the results are identified to be in compliance with the limits given in the Regulation on Environmental Noise Assessment and Management.
- An emission measurement report was prepared based on the emission measurements conducted on 17 November 2022 and approved on 25 November 2022 were carried out for the stack of the cogeneration unit for flue gases which is the only emission source of the site. Measurement results are identified to be below the emission limits for CO, SO₂, NO₂, and dust for the cogeneration unit with a heating value of 4500kW specified in Annex 5.A.2.7.1 in Industrial Air Pollution Control Regulation (IAPCR) and the mass flowrates specified in Annex 2, and 3.d in IAPCR. Based on the emission measurement report an affirmative governorate approval report was prepared on 30 November 2022 to be used as a basis for the Environment Permit application.
- Environmental Permit-Temporary Activity Certificate (Geçici Faaliyet Belgesi-GFB) was secured on 1 June 2022 valid for 1 year, related to the 1 emission stack from cogeneration plant which is not operational due to natural gas prices. Based on the emission measurement report approved on 25 November 2022 and the relevant governorate approval report dated on 30 November 2022 the Environment Permit was issued in 2023 and is valid for five years.

- Domestic wastes are collected by local municipality daily.
- The facility has Hazardous Substances and Hazardous Waste Mandatory Liability Insurance valid until 9 December 2023.
- The facility has completed the construction of a temporary waste storage area that complies with the law for the storage of wastes generated by the project. Site audit also completed by PDoEU on 10 December 2021 that confirms the compliance of the area and the exemption from temporary waste storage permit as the monthly hazardous waste production is lower than 1000 kg. Contract for waste packaging materials contract available with Marsam Geri Dönüşüm Transportation and Disposal company signed in 10 March 2022 and valid for 3 years.
- Site has waste management plan that covers the management of 2022-2023-2024 waste amount forecasts and methods that will be used for the disposal/recycle of the wastes. Plan submitted to PDoEU on 10 December 2021 and approved on 16 December 2021 and has to be resubmitted for renewal of approval before 16 September 2024. The annual waste declaration was not provided for 2022 however the MOTAT registration related to the waste transfer on 31 January 2022, 4540kg mineral based hydraulic oil (chlorine free) waste delivered to YİDAŞ recycling waste management company and records confirmed from MoEU online system. Waste oil analysis were conducted by waste recycle company but could not be evaluated as it was not delivered.
- No major chemical usage and storage is available on site. Maintenance chemicals are delivered to site by maintenance companies and disposed by site management (hydraulic oil). Hydraulic oil storage tanks at the cogeneration plant are observed to be without any secondary containment structure. The spill containment pit of the process area of the cogeneration plant is located outside the building, where stormwater can enter and identified to be full of liquid during the site visit.
- Process water (air conditioning units and fixing units) is supplied via two licensed groundwater abstraction wells (secured from State Hydraulic Works (DSİ) and via municipal water supply network. One of the groundwater abstractions well, DSI Well ID: 237555 is located 250 to the northwest of the site and is permitted for 43,20 tons/day and/or 5184 tons/year groundwater abstraction for agricultural purposes only so that a dynamic water level at 70 m below ground level is maintained. The other groundwater abstraction well, DSI Well ID: 107911 is located at the northeastern corner of the site and is permitted for 90 tons/day and/or 32400 tons/year groundwater abstraction for drinking water use only so that a dynamic water level at 40 m below ground level is maintained. No surface water use is identified for water supply. The purpose of use for both groundwater use permits has to be revised by applying DSI, so that they indicate process water use.

3.0 Social Management

Summary of the major social findings are given below:

- The nearest residential area is Kılılı Neighborhood of Türkoğlu District. According to site representatives, there was not any complaints since the last visit.
- The number of people working at the site within the scope of the project is 410. Detailed number of employees including subcontractors are given in table below:

Table 1 Number of Employees

Description	Number of Employees		
	Man	Woman	Total
Average age of workers	38,25	35,86	37,06
White Collar Worker	29	11	40
Gray Collar Worker	99	4	103
Blue Collar Worker	191	76	267
Total	319	91	410

- The related department requests for recruitment and the company firstly controls its own personnel pool. If the required personnel cannot be provided from the pool, they are advertised through HR companies.
- Vocational Qualification Certification is important in recruitment process. Workers, who do not secure a Vocational Qualification Certificate relevant to their job description are not allowed to work in highly dangerous jobs. The fact that the document has not yet been received during the recruitment process does not preclude recruitment, but the applicant is not allowed to perform the job described in the field until the document is officially obtained. This rule is strictly followed for spinning machine operators (Ring/vater/shape), and winding machine operators. If the person to be employed has the skill but no certificate, Nazar Textile pays the necessary expenses for obtaining the certificate.
- Within the scope of the project, employment priority is given to local people. This situation is more advantageous for Nazar Textile in terms of accommodation and transportation costs as well as in terms of the contribution to the local economy.
- Disemployment process are performed within the scope of the Turkish Labor Law.
- Overtime works are recorded and paid together with salary. Salaries vary according to education, experience and competence. There is no salary difference between male and female employees. Blue-collar employees receive minimum wage plus bonus upon entry. Market vouchers are given to employees on holidays.
- Employment contracts are signed before employment. The contract includes information on wages and working conditions. In addition, all personnel signs a separate commitment on the "Privacy Policy, which limits the information sharing (technical, administrative, financial, commercial and know-how) of the employees.

- An appropriate Stakeholder Engagement Plan (SEP) for the whole life of the Project including stakeholder identification, analysis and communication methods, details of the public consultation and information disclosure was established. However, no engagement activities were conducted. Also the contact person information is not shared in SEP but necessary assignment completed and document will be updated accordingly. BCA was informed that no grievance was received from external stakeholders. Nevertheless, no grievance record was shared with BCA for internal stakeholders. SEP should be used actively at site. Grievance boxes were recently installed at site, employees started use them but no log form prepared yet. SEP should be located in main places such as dining halls and entrance of the facility near locked grievance boxes.
- There is no complaints database and no record was shared with BCA yet but there are some documents on the boxes and log forms will be updated accordingly.
- Catering company provides 3 meals a day at dining hall. Breakfast (between 03:00-04:00), lunch and dinner.
- Transportation to the project site for employees is provided by Nazar Textile. When needed, subcontractor workers can also use transportation.
- Process water (air conditioning units and fixing units) is supplied via two licensed groundwater abstraction wells (secured from State Hydraulic Works (DSİ) and via municipal water supply network. One of the groundwater abstraction well, DSI Well ID: 237555 is located 250 to the northwest of the site and is permitted for 43,20 tons/day and/or 5184 tons/year groundwater abstraction for agricultural purposes only so that a dynamic water level at 70 m below ground level is maintained. The other groundwater abstraction well, DSI Well ID: 107911 is located at the northeastern corner of the site and is permitted for 90 tons/day and/or 32400 tons/year groundwater abstraction for drinking water use only so that a dynamic water level at 40 m below ground level is maintained. No surface water use is identified for water supply. The purpose of use for both groundwater use permits has to be revised by applying DSI, so that they indicate process water use. No expropriation process was conducted for the groundwater abstraction wells.
- Expropriation process has not been carried out for the project.
- According to Nazar Textile representatives, 8 lawsuits were recorded so far for the Project and all are related to the severance payment.

4.0 Health and Safety Management

Summary of the major health and safety findings are given below:

- Area specific Risk Assessment Documents were prepared on 7 December 2020 and last revision was on 12 August 2021. Emergency Response Plan for operation phase were prepared on 14 January 2020 and last revision was on 24 June 2022. All support personnel trained and assigned on 30 May 2022.
- OHS annual plans and annual training plans for 2023 were prepared and approved by site OHS commission in December 2022. Plan also covers the evaluation of 2022 trainings and activities. On 30 September 2022 an employee representative election was conducted on-site, where there were 6 employees applied to be candidate for the election. The three highest voted employees were selected as employee representatives on 30 September 2022.
- Workplace accident records are being kept by Site. According to records, 12 workplace accidents were recorded within last 5 years with 248 days away from work. No fatal accident was recorded since the last audit. One major accident occurred on 27 July 2020 with 197 days away from work. One forklift driver employee has accident while carrying the bale, he realizes that the wires are open in one of the bales. He gets out of forklift to connect it but other bales fall on him and break his feet. Immediate transfer to hospital is provided. Back to work training has been organized. Personnel entrance to the areas with the bales has been reduced to a minimum level after incident. Since the last monitoring report there were two reported occupational accidents on 3 April 2022, 14 August 2022 without lost days reported.
- Root cause analysis is done and the improvement process is performed with the participation of workplace physician, OHS specialist and operating supervisor. Sample root cause analyses and improvement process document of the major accident dated 27 July 2020 was examined and found to be appropriate.
- During site visit, BCA observed employees without ear protection and safety shoes.
- Fire report was secured from Kahramanmaraş Municipality Fire Department after an onsite audit on 1 March 2020. Fire department confirmed that existing fire precautions are sufficient and compliant with existing regulations.
- Fire training and fire and evacuation drill was conducted on 25 October 2022 by ECE Fire Extinguisher Equipment company.
- On 22 April 2022, fire system controls were done by INTERTEST Laboratory. According to the report fire system is in compliant with standards.
- On January 4, 2022, air conditioning systems annual periodical check was conducted by INTERTEST Laboratory. According to the report fire system is in compliant with standards. However no periodical control report for air conditioning systems was provided for the year 2023.
- Subcontractors (certificates, methodology of operation, environment and OHS management, etc.) are controlled by Nazar Textile. All subcontractors should submit SGK employment declaration, temporary appointment letter for those not under Nazar Textile insurance, health reports, first aider certificate, special training certificate if any, etc.
- Nazar Textile has contract with joint health and safety unit (Dedeoğlu OSGB) for occupational safety specialist Özge Öztürk and occupational physician Ahmet Dedeoğlu.

- Within the scope of grounding measurements on 16 March 2022, all measurements are in compliant with the regulatory limits.
- The OHS committee comprises of Nazar Textile employees, the committee holds monthly meetings and records are kept.
- On 28 April 2018, noise and dust exposure measurements, were done by INTERTEST Laboratory. According to the noise measurement results, over 80 dB(A) were detected in many areas (37 of 40 locations). The locations where the limit values are exceeded must be identified and the measurements for these locations must be renewed. Dust levels are in compliant with regulatory limits.
- On 11 February 2022, illumination measurements, were done by INTERTEST Laboratory. According to the measurement all results in 45 locations are in compliant with regulatory limits.
- On 08 December 2020, vibration measurements, were done by INTERTEST Laboratory for the diesel forklift drivers' exposure. According to the measurement result is in compliant with regulatory limits.
- Employees have professional competence and first aid certificates. Training for non-certificate holders is provided and work without certificate is not allowed. There are 26 employees having first aid certificates. The number of first aiders in line with regulation, there should be 1 first aider for every 15 employees for the operation phase of the project. Therefore, there should be 24 first aiders for 359 employees.
- Employment and periodic health controls are monitored by the workplace physician. Frequency of health monitoring increased from 1 year to 2 years due to Covid pandemic conditions to minimize the exposure of employees in Hospitals. There is no reported occupational disease in the site records.
- Water used at the site is supplied via the two licensed groundwater abstraction wells and stored in the water tanks, water is treated and then supplied as usage water. Drinking water is supplied by municipal water lines. The water analysis results dated on 14.12.2021 are well below the regulatory drinking water quality limits given in regulation and standard TS266. There were no analysis results provided for the years 2022 and 2023 in line with the regulation and the Turkish Drinking Water Standard TS266. However, the site administration provided bacteriological analysis results for the groundwater dated on 20.03.2023, and two of the water dispensers supplied with the treated groundwater, where the coliform bacteria and total bacteria counts are high at the groundwater sample and at one of the treated groundwater dispenser. (Appendix B)
- LPG cylinders are observed to be not secured at the LPG cylinder storage area.
- Wooden waste pallets next to the raw material storage area where there is no fire extinguishing means available.

5.0 Monitoring Plan

Environmental and social monitoring studies are conducted in line with the management plans, the applicable Turkish regulations, the Equator Principles and the World Bank/International Finance Corporation (WB/IFC) Performance Standards and Guidelines. The Environmental and Social Monitoring Plan is given in Table 2 below:

Table 2 Environmental and Social Monitoring Plan

Ref.	Action Required	Environmental and Social Risks (Liability/Benefits)	Requirement	Resources, Investment Needs/ Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Related Company	Status /Comments	Existing Condition	Action to be Taken & Recommendation	Status
1 ESS 1: Assessment and Management of Environmental and Social Risks and Impacts											
1.1	Assessment and Management of Environmental and Social Risks and Impacts	ESS 1non-compliance Reputational benefit EIA Regulation	Environmental and social risks and impacts will be identified.	Own resources	-	Environmental Permit	Project owner	Comply	Identification of risks and impacts were completed in management plans. Site is out of scope for EIA regulation. Related list of exemption letters is given below. <ul style="list-style-type: none"> 19 August 2014, EIA exemption letter for cogeneration plant (4,592 MW) 10 April 2015, EIA exemption letter for Open end and ring yarn production plant. 28 March 2016, EIA Exemption letter for roof top Solar Power Plant (GES-1,98MW). 11 August 2021, EIA exemption letter for new open end production plant. Environmental permit was secured in 2023 for emissions.	Environmental Permit renewal process has to be monitored.	Ongoing Item
1.2	Environmental and Social Management System	ESS 1non-compliance Reputational benefit	Environmental and Social Management System (ESMS) will be implemented including environmental and social objectives and principles that guide the project to achieve sound environmental and social performance.	Own resources	3 months after production starts	ESMS documentation completion	Project owner	Comply	Site has completed the establishment of an Environmental and Social Management System (ESMS) (such as ISO 14001 Environmental Management System and ISO 9001 Quality Management System) including policies, procedures.	ISO 9001 and ISO 14001 management system certification has completed in November 2021 and reissued on 02.11.2022 for cotton yarn production.	Ongoing Item
1.3	Environmental and Social Management Plan	ESS 1non-compliance	Environmental and Social Management Plans will be prepared. The plans will document key environmental and social issues, the actions to be taken to address them adequately, as well as any actions to maximize environmental or social benefits, the schedule and person/unit responsible for implementation and monitoring, and an estimate of the associated costs.	Own resources	-	ESMP completion	Project owner	Partially Comply	Site has Environmental and Social Management Plans (ESMP) for the project including mitigations, monitoring measures, responsibilities, timeframe, addressing all identified impacts for all components.	ESMP should be implemented and updated.	Ongoing Item
1.4	Stakeholder Engagement Plan	ESS 1non-compliance Reputational benefit	Stakeholder Engagement Plan (SEP) will be prepared including stakeholder identification, analysis and communication methods, details of the public consultation and information disclosure according to WB requirements.	Own resources	-	SEP completion	Project owner	Partially comply	Site has a stakeholder engagement plan (SEP). Grievance forms started to use and records will be formed and will be kept in a database.	SEP should be implemented; grievance forms should be actively used at site and records should be kept.	Ongoing Item
1.5	Emergency Response Plan	ESS 1non-compliance Regulation on Emergency Response in Workplaces	ERP will be prepared for emergency response activities and the plan will be periodically reviewed and revised, as necessary, to reflect changing conditions.	Own resources	-	ERP revision	Project owner	Comply	The emergency preparedness and response plan (ERP) and risk assessment document were prepared for operation phase on 14 January 2020 and revised on 26 June 2022. ERP includes Covid19 pandemic precautions,	ERP and risk assessment documents should be revised in line with changes in the site and related to the amendment on ERP regulation.	Ongoing Item
2 ESS 2: Labor and Working Conditions											

Ref.	Action Required	Environmental and Social Risks (Liability/Benefits)	Requirement	Resources, Investment Needs/ Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Related Company	Status /Comments	Existing Condition	Action to be Taken & Recommendation	Status
2.1	Assessment and Management of OHS and Public Health and Safety Risks and Impacts	ESS 2 non-compliance Regulation on Emergency Response in Workplaces EIA Regulation	OHS and public health and safety issues will be clearly identified.	Own resources	-	Risk assessment and OHS management plan documentation completion	Project owner	Comply	OHS and public health and safety issues are clearly identified and discussed in the OHS management plan dated April 2022, risk assessment document dated August 2021 and Emergency Response Plan dated June 2022.	-	Closed Item
2.2	Occupational Health and Safety	ESS 2 non-compliance Labor Law	Site will provide a safe and healthy work environment, taking into account inherent risks in its particular sector and specific classes of hazards in the client's work areas, including physical, chemical, biological, and radiological hazards, and specific threats to women. The client will take steps to prevent accidents, injury, and disease arising from, associated with, or occurring in the course of work by minimizing, as far as reasonably practicable, the causes of hazards.	Own resources	-	Occupational accident records	Project owner	Partially Comply	<p>Workplace accident records are being kept by Site. According to records, 12 workplace accidents were recorded within last 5 years with 248 days away from work. No fatal accident was recorded since the last audit. One major accident occurred on 27 July 2020 with 197 days away from work. One forklift driver employee has accident while carrying the bale, he realizes that the wires are open in one of the bales. He gets out of forklift to connect it but other bales fall on him and break his feet. Immediate transfer to hospital is provided. Back to work training has been organized. Personnel entrance to the areas with the bales has been reduced to a minimum level after incident. Since the last monitoring report there were two reported occupational accidents on 3 April 2022, 14 August 2022 without lost days reported.</p> <p>During site visit, BCA observed employees without ear protection and safety shoes.</p> <p>Many areas over 80 dB (A) have been detected in the Environmental Noise Measurement Results. Currently site employees are not using necessary PPEs to reduce exposure. Use of ear protection equipment has to be closely audited and reminded to the employees. It is necessary to determine those points and take measures for the points to reduce the noise exposure from source.</p> <p>Water used at the site is supplied via the two licensed groundwater abstraction wells and stored in the water tanks, water is treated and then supplied as usage water. Drinking water is supplied by municipal water lines. The water analysis results dated on 14.12.2021 are well below the regulatory drinking water quality limits given in regulation and standard TS266. There were no analysis results provided for the years 2022 and 2023 in line with the regulation and the Turkish Drinking Water Standard TS266. However, the site administration provided bacteriological analysis results for the groundwater dated on 20.03.2023, and two of the water dispensers supplied with the treated groundwater, where the coliform bacteria and total bacteria counts are high at the groundwater sample and at one of the treated groundwater dispenser. (Appendix B)</p>	<p>Use of ear protection equipment has to be closely audited and reminded to the employees. It is necessary to determine noise sources and take measures for the points to reduce the noise exposure from source.</p> <p>Drinking water analysis has to be conducted annually and the abundance of the bacteria in groundwater and drinking water dispensers have to be eliminated.</p> <p>Periodical control report for air conditioning systems has to be conducted for the year 2023.</p> <p>LPG cylinders have to be secured.</p> <p>Wooden wastes have to be periodically transferred to licensed recycling companies to prevent any fire risks associated with them.</p>	Ongoing item

Ref.	Action Required	Environmental and Social Risks (Liability/Benefits)	Requirement	Resources, Investment Needs/ Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Related Company	Status /Comments	Existing Condition	Action to be Taken & Recommendation	Status
									On January 4, 2022, air conditioning systems annual periodical check was conducted by INTERTEST Laboratory. According to the report fire system is in compliant with standards. However no periodical control report for air conditioning systems was provided for the year 2023. LPG cylinders are observed to be not secured at the LPG cylinder storage area. Wooden waste pallets next to the raw material storage area where there is no fire extinguishing means available.		
2.3	Human Resources Policy	ESS 2 non-compliance	Human resources policy will be prepared.	Own resources	-	Recruitment policy	Project owner	Comply	Nazar Textile has a recruitment policy. According to this policy there is no compulsory and indebted labour, freedom of association and the right to collective bargaining are respected, there is no child labour, discrimination is not applied, working conditions are safe and hygienic, fair wages are applied, working hours cannot be excessive, precarious employment cannot be applied, harsh and inhumane behaviour is prohibited, ethical business behaviours are applied.	-	Closed Item
2.4	Accommodation	ESS 2 non-compliance	Working conditions and terms of employment will be clearly documented. Policies on the quality and management of the accommodation and provision of basic services will be put in place and implemented.	Own resources	-	Accommodation conditions improvement	Project owner	Comply	No accommodation on site.	-	Closed Item
2.5	Working Conditions and Terms of Employment	ESS 2 non-compliance Labor Law	Working conditions and terms of employment will be clearly documented.	Own resources	-	Employees' contracts	Project owner	Comply	Working conditions and terms of employment are clearly defined. Overtime payments are paid, and wages are in line with the proficiency, education, experience of the employees according to the employees.	-	Closed Item
2.6	Workers' Organizations	ESS 2 non-compliance	Site will recognize workers' rights to form and to join workers' organizations of their choosing without interference and to bargain collectively.	Own resources	-	Employees' contracts	Project owner	Comply	There are not any restrictions about unionization.	-	Closed Item
2.7	Working Conditions and Terms of Employment	ESS 2 non-compliance Labor Law	Contracts will include WB requirements on labour and working conditions (issues such as abolition of child labour, freedom of association, elimination of discrimination and promotion of equal opportunities in the workplace).	Own resources	-	Employee contracts & policy	Project owner	Comply	WB requirements on labour and working conditions (issues such as abolition of child labour, freedom of association, elimination of discrimination and promotion of equal opportunities in the workplace) are included in the contracts and company policy.	-	Closed Item
3	ESS 3: Resource Efficiency and Pollution Prevention										

Ref.	Action Required	Environmental and Social Risks (Liability/Benefits)	Requirement	Resources, Investment Needs/ Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Related Company	Status /Comments	Existing Condition	Action to be Taken & Recommendation	Status
3.1	Emissions Management	ESS 3 non-compliance Industrial Air Pollution Control Regulation	Site will avoid the release of pollutants or, when avoidance is not feasible, minimize and/or control the intensity and mass flow of their release. This applies to the release of pollutants to air, water, and land due to routine, non-routine, and accidental circumstances with the potential for local, regional, and transboundary impacts.	Own resources	-	Greenhouse gas emissions report	Project owner	Partially Comply	No greenhouse gas emission report is available.	Greenhouse gas emission report should be prepared.	Ongoing Item
3.2	Noise Management	ESS 3 non-compliance Regulation on Assessment and Management of Environmental Noise	Site will avoid the release of pollutants or, when avoidance is not feasible, minimize and/or control the intensity and mass flow of their release. This applies to the release of pollutants to air, water, and land due to routine, non-routine, and accidental circumstances with the potential for local, regional, and transboundary impacts.	Own resources	-	Noise Report	Project owner	Comply	Noise emissions were calculated for operation phases of the Project. Noise levels calculated are below regulatory limits and IFC General EHS Guideline. Noise measurements conducted in line with Environmental Permit process.	Noise measurement report is shared. In case of any complaints related to noise, Site is obliged to conduct noise measurements according to the Regulation.	Closed Item
3.3	Wastewater Management	ESS 3 non-compliance Water Pollution Control Regulation	Site will avoid the release of pollutants or, when avoidance is not feasible, minimize and/or control the intensity and mass flow of their release. This applies to the release of pollutants to air, water, and land due to routine, non-routine, and accidental circumstances with the potential for local, regional, and transboundary impacts.	Own resources	-	Environmental Permit	Project owner	Comply	Wastewater discharge is not included in GFB since the project discharges no process wastewater. Domestic wastewaters discharged to municipal sewer line with a permit. Last analyse conducted on 29 March 2022 and concentrations are below municipality discharge limits.	Wastewater connection quality control permit is shared. Site has connection permit for domestic and wastewater and analytical results comply with discharge quality standards.	Closed Item
3.4	Waste Management	ESS 3 non-compliance Waste Management Regulation	Site will avoid the generation of hazardous and non-hazardous waste materials. Where waste generation cannot be avoided, Site will reduce the generation of waste, and recover and reuse waste in a manner that is safe for human health and the environment. Where waste cannot be recovered or reused, Site will treat, destroy, or dispose of it in an environmentally sound manner that includes the appropriate control of emissions and residues resulting from the handling and processing of the waste material.				Project owner	Partially Comply	The waste storage area was constructed and operational. Hazardous waste temporary storage area compliance letter secured on 10 December 2021. Waste management plan for 2022-2023-2024 submitted to PDoEU and approved on 16 December 2021. Site has zero waste certificate dated 03 December 2021. Waste oil analysis were conducted by waste recycle company but could not be evaluated as it was not delivered.	Waste oil analyses needs to be delivered for review.	Ongoing Item
3.5	Chemicals Management	ESS 3 non-compliance Environmental Law	Site will avoid or, when avoidance is not possible, minimize and control the release of hazardous materials. In this context, the production, transportation, handling, storage, and use of	Secondary containment costs	-	Chemicals storage practices	Project owner	Comply	No major chemical usage and storage is available on site. Maintenance chemicals are delivered to site by maintenance companies and disposed by site management (hydraulic oil). Hydraulic oil storage tanks at the cogeneration plant are observed to be without any secondary containment structure. The spill containment pit of	A secondary containment structure has to be established for the hydraulic oil tanks at the cogeneration plant. Spill containment drainage and pit location has to be	Ongoing Item

Ref.	Action Required	Environmental and Social Risks (Liability/Benefits)	Requirement	Resources, Investment Needs/ Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Related Company	Status /Comments	Existing Condition	Action to be Taken & Recommendation	Status
			hazardous materials for project activities should be assessed.						the process area of the cogeneration plant is located outside the building, where stormwater can enter and identified to be full of liquid during the site visit.	reviewed and revised so that there will be no stormwater entering the pit.	
4	ESS 4: Community Health, Safety, and Security										
4.1	Emergency Response Plan	ESS 4 non-compliance Regulation on Emergency Response in Workplaces	ERP will be prepared for emergency response activities and the plan will be periodically reviewed and revised, as necessary, to reflect changing conditions.	Own resources	-	ERP completion	Project owner	Comply	The emergency preparedness and response plan (ERP) and risk assessment documents were prepared on 14 January 2020 and revised on 24 June 2022 and has been revised after workplace accidents and if deemed necessary. ERP also covers COVID-19 pandemic precautions and emergency scenarios. ERP team members assigned and trained in May 2022.	-	Closed Item
5	ESS 5: Land Acquisition and Involuntary Resettlement										
5.1	Resettlement	ESS 5 non-compliance	Site will consider feasible alternative project designs to avoid or minimize physical and/or economic displacement, while balancing environmental, social, and financial costs and benefits, paying particular attention to impacts on the poor and vulnerable.	-	-	-	-	Comply	In the scope of the Project, resettlement is not an issue and locals are not impacted by expropriation and easement.	-	Closed Item
6	ESS 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources										
6.1	Biodiversity	ESS 6 non-compliance	Site will protect and conserve biodiversity, maintain the benefits from ecosystem services and promote the sustainable management of living natural resources through the adoption of practices that integrate conservation needs and development priorities.	Own resources	-	-	Project owner	Comply	The Project area is not within protected areas and defined as Industrial use according to the Kahramanmaraş Planning Region 1/100 000 Scaled Environment Master Plan. There are no specific provisions about the project area according to Master Plan.	-	Closed Item
8	ESS 8: Cultural Heritage										
8.1	Cultural Heritage	ESS 8 non-compliance Kahramanmaraş Planning Region 1/100 000 Scaled Environment Master Plan	Site will protect cultural heritage from the adverse impacts of project activities and support its preservation and promote the equitable sharing of benefits from the use of cultural heritage.	Own resources	-	-	Project owner	Comply	According to Kahramanmaraş Planning Region 1/100 000 Scaled Environment Master Plan, the Project area is located within Industrial use area and there is not any archaeological and cultural protected area in the close vicinity of the Project area. According to public records, archaeological site recently discovered 20km southeast of the site (Domuztepe tumulus). According to site representatives, during construction, workers were informed about the potential of archaeological remains and they had monitored for archaeological remains during construction period. No archaeological remains were observed during construction period so far.	If any archaeological remains are discovered, as the national law requires, the project will cease excavation at this location and the local Department of Culture and Tourism will be informed immediately.	Closed Item
9	ESS 10: Stakeholder Engagement and Information Disclosure										

Ref.	Action Required	Environmental and Social Risks (Liability/Benefits)	Requirement	Resources, Investment Needs/ Responsibility	Timetable	Target and Evaluation Criteria for Successful Implementation	Related Company	Status /Comments	Existing Condition	Action to be Taken & Recommendation	Status
9.1	Stakeholder Engagement	ESS 10 non-compliance	Site will provide a grievance mechanism for internal and external stakeholders to raise concerns as a part of SEP.	Own resources	-	SEP completion	Project owner	Partially Comply	<p>Site has defined grievance mechanism as a part of SEP. The complaints are addressed to the box. No grievance records were available for review during the audit.</p> <p>Grievance records are not kept yet but log forms started to be formed.</p> <p>According to Nazar Textile representatives, no complaints were received since the previous audit from external stakeholders.</p> <p>HR specialist appointed as contact person.</p>	SEP should be implemented; grievance forms should be actively used at site and records should be kept.	Ongoing Item

6.0 Conclusion and Action Plan

BCA has conducted the first environmental and social monitoring study at the Site on 17 June 2023. BCA was informed that there is an expansion project on site in parallel to the production and construction works were completed. Site audited against the Turkish Environmental and Health and Safety Legislation, WB Performance Standards and IFC / WB Guidelines (Environment, Health and Safety General Guidelines) and actions given in the Environmental and Social Action Plan.

- Necessary updates will be made in the management plans according to the comments given by the bank on August 25, 2022.
- Many areas over 80 dB (A) have been detected in the Environmental Noise Measurement Results. It is necessary to determine those points and take measures for the points to reduce the noise exposure from source. Workers are identified not to use ear plugs/ear muffs at areas over 80 dB(A)s.
- During site visit, BCA observed employees without ear protection and safety shoes.
- The water analysis results dated on 14.12.2021 are well below the regulatory drinking water quality limits given in regulation and standard TS266. There were no analysis results provided for the years 2022 and 2023 in line with the regulation and the Turkish Drinking Water Standard TS266. However, the site administration provided bacteriological analysis results for the groundwater dated on 20.03.2023, and two of the water dispensers supplied with the treated groundwater, where the coliform bacteria and total bacteria counts are high at the groundwater sample and at one of the treated groundwater dispenser.
- Periodical control report for air conditioning systems has to be conducted for the year 2023.
- There haven't been any studies submitted on greenhouse gas emissions. If the study has not been finished, it must be done and the final report must be shared.
- Waste oil analysis were conducted by waste recycle company but could not be evaluated as it was not delivered. Waste oil analyses need to be delivered for review.
- Groundwater permits stated that usage should be limited to agricultural use for one of the groundwater abstraction wells and drinking for the other well. Currently site also use groundwater for air conditioning units and fixing units. Groundwater permits needs to be revised accordingly.
- Hydraulic oil storage tanks at the cogeneration plant are observed to be without any secondary containment structure. The spill containment pit of the process area of the cogeneration plant is located outside the building, where stormwater can enter and identified to be full of liquid during the site visit. A secondary containment structure has to be established for the hydraulic oil tanks at the cogeneration plant. Spill containment drainage and pit location has to be reviewed and revised so that there will be no stormwater entering the pit.
- LPG cylinders have to be secured.

- Wooden wastes have to be periodically transferred to licensed recycling companies to prevent any fire risks associated with them.

In Appendix A, Photographic Log is presented, and Environmental and Social Monitoring Plan was given in Section 6.0. Monitoring Plan summarizes the monitoring study findings and corrective actions to be taken.

BCA is in the opinion that with implementation of proper mitigation measures, the non-compliance issues observed during this monitoring study can be corrected and closed.

Action plan for the 2nd Monitoring Study is given below,


Table 3 Action Plan for 2nd Monitoring Study


Ref.	Requirement/Existing Condition	Action to be Taken & Recommendation	Timetable	Responsible
1	ESS 1: Assessment and Management of Environmental and Social Risks and Impacts			
1.2	Site has Environmental and Social Management Plans (ESMP) for the project including mitigations, monitoring measures, responsibilities, timeframe, addressing all identified impacts for all components.	ESMP should be updated according to comments received from Bank.	During operational period	HSE Department and Site Management
2	ESS 2: Labour and Working Conditions			
2.1	Many areas over 80 dB (A) have been detected in the Environmental Noise Measurement Results. Workers are identified not to use ear plugs/ear muffs at areas over 80 dB(A)s.	Currently site employees are not using necessary PPEs to reduce exposure. Use of ear protection equipment has to be closely audited and reminded to the employees. It is necessary to determine those points and take measures for the points to reduce the noise exposure from source.	During operational period	Health and Safety Department and Site Management
2.2	LPG cylinders are observed to be not secured at the LPG cylinder storage area. Wooden waste pallets next to the raw material storage area where there is no fire extinguishing means available.	Periodical control report for air conditioning systems has to be conducted for the year 2023. LPG cylinders have to be secured. Wooden wastes have to be periodically transferred to licensed recycling companies to prevent any fire risks associated with them.	During operational period	Health and Safety Department and Site Management
2.2	The water analysis results dated on 14.12.2021 are well below the regulatory drinking water quality limits given in regulation and standard TS266. There were no analysis results provided for the years 2022 and 2023 in line with the regulation and the Turkish Drinking Water Standard TS266. However, the site administration provided bacteriological analysis results for the groundwater dated on 20.03.2023, and two of the water dispensers supplied with the treated groundwater, where the coliform bacteria and total bacteria counts are high at the groundwater sample and at one of the treated groundwater dispensers. (Appendix B)	Drinking water analysis has to be conducted annually and the abundance of the bacteria in groundwater and drinking water dispensers have to be eliminated.	September 2023	Health and Safety Department and Site Management

Ref.	Requirement/Existing Condition	Action to be Taken & Recommendation	Timetable	Responsible
2.2	No periodical control report for air conditioning systems was provided for the year 2023.	Periodical control report for air conditioning systems has to be conducted for the year 2023	September 2023	Health and Safety Department and Site Management
3	ESS 3: Resource Efficiency and Pollution Prevention			
3.1	Greenhouse gas emission report not prepared yet.	Greenhouse gas emission report should be prepared.	December 2023	HSE Department, Site Management
3.2	Waste oil analysis were conducted by waste recycle company but could not be evaluated as it was not delivered.	Waste oil analyses need to be delivered for review.	December 2023	HSE Department and Site Management
3.3	Groundwater permits stated that usage should be limited to agricultural use for one of the groundwater abstraction wells and drinking for the other well. Currently site also use groundwater for air conditioning units and fixing units. Groundwater permits needs to be revised accordingly.	Groundwater permits needs to be revised accordingly.	December 2023	HSE Department and Site Management
3.4	Hydraulic oil storage tanks at the cogeneration plant are observed to be without any secondary containment structure. The spill containment pit of the process area of the cogeneration plant is located outside the building, where stormwater can enter and identified to be full of liquid during the site visit.	A secondary containment structure has to be established for the hydraulic oil tanks at the cogeneration plant. Spill containment drainage and pit location has to be reviewed and revised so that there will be no stormwater entering the pit.	December 2023	HSE Department, Site Management

Appendix A

PHOTOGRAPHIC LOG


		Photographic Log	
Client Name: Nazar Textile		Project Field: Yarn Production Plant Kılılı, Türkoğlu, Kahramanmaraş, Turkey	
		Project No: 01.146.01	
No. 1	Date: 17/05/2023		
Project Field: Production Hall			
Description: Manufacturing equipment			


No. 2	Date: 17/05/2023		
Project Field: Transformer Unit			
Description: Automatic gaseous fire suppression system.			


<p>No. 3</p>	<p>Date: 17/05/2023</p>	
<p>Project Field: Production Building</p>		
<p>Description: Facility layout with emergency routes and critical locations with warning signs</p>		

<p>No. 4</p>	<p>Date: 17/05/2023</p>	
<p>Project Field: Production area</p>		
<p>Description: Lines under assembly</p>		

<p>No. 5</p>	<p>Date: 17/05/2023</p>	
<p>Project Field: Production area</p>		
<p>Description: LPG cylinders not secured</p>		

<p>No. 6</p>	<p>Date: 17/05/2023</p>	
<p>Project Field: Cogeneration Plant</p>		
<p>Description: Hydraulic oil storage tanks at the cogeneration plant without any secondary containment structure.</p>		

<p>No. 7</p>	<p>Date: 17/05/2023</p>	
<p>Project Field: Cogeneration Plant</p>		
<p>Description: The spill containment pit of the process area of the cogeneration plant outside the building, where stormwater can enter and identified to be full of liquid during the site visit.</p>		

<p>No. 8</p>	<p>Date: 17/05/2023</p>	
<p>Project Field: Waste Storage Area next to the raw material storage area.</p>		
<p>Description: Wooden waste pallets next to the raw material storage area where there is no fire extinguishing means available.</p>		

No. 9	Date: 17/05/2023	
Project Field: Roof		
Description: Rooftop solar panels		

No.	Date: 17/05/2023	
Project Field: Production Building		
Description: Treated groundwater use dispenser		

Appendix B

WASTEWATER ANALYSIS REPORTS



ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR
MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ.

SU/ATIKSU LABORATUVARI ANALİZ RAPORU
Test Report of the Water / Wastewater Laboratory



AB-1467-T
SA-22-057
29.03.2022



220316000348

Müşterinin Adı/ Adresi Customer Name/Address	NAZAR TEKSTİL SAN. VE. TİC. A.Ş. Kılı mah. Balsuyu Bulv. NO: 53 İç Kapı No:1 Dulkadiroğlu/KAHRAMANMARAŞ
Numunenin Alındığı Yer Adı ve Adresi Sampling Location and Address	NAZAR TEKSTİL SAN. VE. TİC. A.Ş. Kılı mah. Balsuyu Bulv. NO: 53 İç Kapı No:1 Dulkadiroğlu/KAHRAMANMARAŞ
Barkod/Rapor No Number of Report / Barcode	220316000348/SA-22-057
Rapor Tarihi Date of The	29.03.2022
Numuneyi Alan Kurum/Kişi Collected by Sample	ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. VE TİC. LTD. ŞTİ
Numunenin Alınış Amacı Sample Pick Purpose	BELGELEME
Numune Cinsi Type of The Sample	ENDÜSTRİYEL ATIKSU
Rev. No/Rev. Tar. Revision Number/Revision Date	-
Numunenin Alındığı Nokta Sampling Point	DEŞARJ(FİKSE KAZAN ÇIKIŞI)
Numune Alınma Yöntemi Sampling Method of The Sample	ANLIK
Numune Alınış Tarihi Date of the Sampling	16.03.2022
Numunenin Miktarı ve Kabul Durumu Amount and Acceptance Status of the Sample	+4 °C Soğutma pH<2 H2SO4,+4 °C Soğutma,+4 °C Soğutma,Çinko Asetat,+4 °C Soğutma pH<2 H2SO4,+4 °C Soğutma pH<2 HNO3-Mühür
Numunenin Laboratuvar Ulaşma Tarihi Date of Receipt of the Sample to the Laboratory	16.03.2022
Analizlerin Yapıldığı Tarih Aralığı Date of the Analyses	16.03.2022 - 18.03.2022
Raporun Sayfa Sayısı Pages of the Report	4 SAYFA (EK 2 : KELEBEK KİMYA ÇEVRE LABORATUVARI ANALİZ RAPORU)

"Deney laboratuvarı olarak faaliyet gösteren ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ., TÜRKAK'tan AB-1467-T ile TS EN ISO/IEC 17025:2017 standardına göre akredite edilmiştir."
"ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ. accredited by TURKAK under registration number AB-1467-T for TS EN ISO/IEC 17025:2017 as test laboratory"

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.
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.

Bu analiz raporu Laboratuvarca gelen numuneyi örneklemeyi temsil eder. Bu rapor ve sonuçları ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ. tarafından çıkarılmıştır. Analiz raporu numunenin analiz edildiği tarihten itibaren geçerlidir. Analiz raporu numunenin analiz edildiği tarihten itibaren geçerlidir. Analiz raporu numunenin analiz edildiği tarihten itibaren geçerlidir. Analiz raporu numunenin analiz edildiği tarihten itibaren geçerlidir.

Sinibey Mahallesi Yeni Hal Cd. No:24/1
Osmaniye/KAHRAMANMARAŞ
Tel:0 850 225 25 00

FR-20-FR.01 Rev. No/Rev. Tar:03/03.01.2022 İlk Yayın Tarihi:17.09.2018





ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR
MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ

SU/ATIKSU LABORATUVARI ANALİZ RAPORU
Test Report of the Water / Wastewater Laboratory



220316000348



AB-1467-T

SA-22-057

29.03.2022

İLGİLİ MEVZUAT: KASKI-ATIKSULARIN KANALİZASYONA DEŞARJ YÖNETMELİĞİ					
PARAMETRE	BİRİM	LİMİT DEĞER KASKI TABLO 5.1 ANLIK	ÖLÇÜLEN DEĞER	ÖLÇÜM BELİRSİZLİĞİ	ANALİZ METODU
KİMYASAL OKSİJEN İHTİYACI(KOİ)	mg/L	1000	39,6	-	TS 2789
ASKIDA KATI MADDE	mg/L	500	18,0	-	SM 2540 D
SÜLFAT	mg/L	1700	74,6	-	SM 4500 SO4-2 E
SERBEST KLOR	mg/L	5	<0,15	-	SM 4500 Cl G
pH	-	6,5-10	9,88	-	SM 4500 H+ B
SÜLFÜR	mg/L	2	<0,1	-	SM 4500 S-2 D
YAĞ VE GRES	mg/L	250	<10	-	SM 5520 D
* TOPLAM KROM	mg/L	5	<0,3	-	SM 3030 K SM 3111 B

AÇIKLAMALAR:

- Numuneler, Yetkili numune alma personeli tarafından PR.18-Numune Alma, Saklama ve Muhafazası Prosedürü'ne uygun olarak alınır.
- Numuneler muhafaza kumulları çerçevesinde 30 gün süre ile TS EN ISO 5667-3 Su Kalitesi-Numune Alma-Bölme 3:Su Numunelerinin korunması ve Elleşilmesi standartı çerçevesinde saklanır. Bu süre içerisinde kimyasal, mikrobiyolojik ve fiziksel açıdan bozulan veya tehlike arz eden numuneler, numune saklama stresinin bitimi beklenmeden imha edilir.
- Müşterilerin talebi halinde veya yasal mevzuatın gerektirdiği durumlarda analiz sonuçlarına ait ölçüm belirsizliği değerleri hazırlanan analiz raporunu takip eden sayfalarda verilecektir.
- (*İşaretili parametreler İşbirliği kapsamında KELEBEK KİMYA ÇEVRE LAB.PETROL GIDA İTH.LHR.İNŞ.NAK.EĞT.DAN.TAAH.SAN.TİC.LTD.ŞTİ tarafından yapılmıştır.
- (*İşaretili olmayan parametreler TÜRKAK Akreditasyon Belgesi ve Çevre ve Şehircilik Bakanlığından Yeterlilik Belgesine sahip akredite parametreler olup ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ tarafından yapılmaktadır.
- (*) İşaretili parametreler firmamız yetkili numune alma personeli tarafından yerinde ölçülmüştür.
- Beyan edilen genişletilmiş ölçüm belirsizliği, standart belirsizliğin k=2 olarak alınan genişletme katsayısı ile çarpımı sonucunda bulunan değerdir ve % 95 oranında güvenlilik sağlanmaktadır.
- Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (ölçme halinde) ve deney metodu bu raporun ilgili kısımlarında verilmiştir. Ayrıca uygunluk değerlendirmesi ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ tarafından yapılmaktadır.

BU RAPOR ÇEVRE MEVZUATINA İLİŞKİN RESMİ İŞLEMLERDE KULLANILAMAZ.

Yayınlanma Tarihi/Onaylanma Tarihi
Published Date/Approval Date
29.03.2022/29.03.2022

Raporu Hazırlayan
Prepared by
29.03.2022
OKURCAN ÇELİK

Raporu Onaylayan
Approved by
29.03.2022
ALİ BİLAL
GENEL MÜDÜR

Bu analiz raporu Laboratuvara gelen numuneyi temsil etmektedir. Bu rapor ve sonuçları ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVAR MÜŞAVİRLİK MÜH. DAN. SAN. TİC. LTD. ŞTİ tarafından yapılmıştır. Analiz yapıldığı numunelerin, numunelerin alıncadan laboratuvarımıza teslimine kadar olan prosedürlerimiz ve tedbirlerimizin doğruluğundan biz sorumlu değiliz. Analiz sonuçları raporun sonuna eklenmiştir. Analiz Sonuç Raporuna geçebilirsiniz.

Şatıbey Mahallesi Yeni Hal Cd. No:24/1
Ortaöğretim/KAHRAMANMARAŞ
Tel:9 950 225 25 00

PR.20-FR.01 Rev. No/Rev. Tar:03/03.01.2022 İlk Yayın Tarihi:17.09.2018





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Test
TS EN ISO/IEC 17025
AB-0236-T

AB-0236-T

S.22-286

03.22


Analiz Raporu
Analysis Report

Müşteri Adı/Adresi Customer Name/Address	Uludaz Çevre Ölçüm Analiz Laboratuvar Müşavirlik.Müh.Dan.San.ve Tic.Ltd.Şti - Şazibey Mahallesi Yeni Hal Caddesi No.24 Onikişubat-KAHRAMANMARAŞ		
Barkod ve Numune Numarası Barcode and Sample Number	S-052/22-286, 22-S-286		
Numuneyi Alan Kurum/Kişi Delivery Conditions of the Sample	NUMUNE, ULUDAZ ÇEVRE ÖLÇÜM ANALİZ LABORATUVARI PERSONELİ TARAFINDAN TS ISO 5667-10 NUMUNE ALMA KLAVUZU STANDARDINA GÖRE ALINMIŞ OLUP , TS EN ISO 5667 -3- SU KALİTESİ NUMUNE ALMA-BÖLÜM 3: NUMUNELERİN MUHAFAZA VE TAŞINMA KURALLARINA GÖRE MÜHÜR NO: 0603 İLE MÜHÜRENEREK OTOBÜS İLE LABORATUVARIMIZA ULAŞTIRILMIŞTIR.		
Numunenin adı, tanımı ve durumu: Name, identity and condition of test item	Atık Su		
Numunenin Alındığı Yer Adı ve Adresi: Sampling Location and Address			
Numunenin Alınma Yöntemi Sampling Method of the Sample	Anlık		
Numunenin Alım-Kabul Tarihi Sampling and Acceptance Date	16.03.2022 - 17.03.2022		
Numunenin Miktarı ve Ambalaj Durumu Amount and Acceptance Status of the Packing	100,00 ml - PE		
Deneyin Yapıldığı Tarih Date of the Test	23.03.2022		
Açıklamalar Remarks	DEŞARJ(FİKSE KAZANI ÇIKIŞI) noktasından alınan SA-22-057 kodlu atıksu numunesinde; KASKİ DEŞARJ YÖNETMELİĞİ TB.5.1'e göre, Toplam Krom analiz talebi. Bu rapor çevre mevzuatına ilişkin resmi işlemlerde kullanılamaz.		
Raporun Sayfa Sayısı Number of pages of the Report	2		
Deney laboratuvarı olarak faaliyet gösteren [KELEBEK KİMYA ÇEVRE LAB.PETROL GIDA İth.İhr.İnş.Nak.Eğt.Dan.Taah.San.Tic.Ltd. Şti], TÜRKAK'tan [AB-0236-T] ile [TS EN ISO/IEC 17025] standardına göre akredite edilmiştir. [KELEBEK KİMYA ÇEVRE LAB.PETROL GIDA İth.İhr.İnş.Nak.Eğt.Dan.Taah.San.Tic.Ltd. Şti.] accredited by TÜRKAK under registration number [AB-0236-T] for [TS EN ISO/IEC 17025] as test laboratory 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. 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 Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. 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.			
Mühür / Kaşe	Yayımlandığı Tarih Date (Gün/ Ay/ Yıl)	Raporu Hazırlayan Prepared By	Onaylayan Approval Date
	28.03.2022	MELTEM MÜGE ULUŞIK KİMYAGER	ÇİHA YILDIRIMCI ÇEVRE MÜHENDİSİ 28.03.2022
Bu analiz raporu laboratuvara gelen numuneyi temsil eder, örneklemeye anından laboratuvarımıza teslimine kadar olan prosedürlerin ve bakılması istenilen grup ve parametrelerin belirlenmesinde teknik ve hukuki sorumluluk numuneyi alana aittir. This report shall not be reproduced other than in full except with the permission of the laboratory. Testing reports without signature and seal are not valid. The result belong to the tested sample. KKÇL-FR-123-01.10.2014/04/06.01.2022			
			Sayfa No:1/2

KELEBEK KİMYA ÇEVRE LAB.PETROL GIDA
İth.İhr.İnş.Nak.Eğt.Dan.Taah.San.Tic.Ltd. Şti
YURT MH 71423 SK NO:3/A
Tel: 0322 453 2001 Fax: 0322 4531765
Web: www.kelebekcevre.com Email: info@kelebekcevre.com.tr

Analiz Raporu
Analysis Report

AB-0236-T
S.22-286
03.22

Proje Adı ve Rapor No (Project Name and Number): S-052/22-286, S.22-286				
Parametre Parameter	Birim Unit	Analiz Sonucu Test Result	KASKİ DEŞARJ YÖNETMELİĞİ TB.5.1 Sınır Değerler	Analiz Metodu Test Method
Toplam Krom	mg/L	<0,3	5	SM 3030 K, SM 3111 B
Not: Bu rapor çevre mevzuatına ilişkin resmi işlemlerde kullanılamaz.				
"Sonuçlar sadece deneyi yapılan numunelere aittir." " The results belong to the tested sample"				
Gelen numuneler raporu çıktıktan sonra muhafaza edilmez.				
Görüşler ve Yorumlar (İdes and Comment):				
Çevresel Şartlar:				
Ölçüm sonuçlarının şartnamelere veya standartlara uygunluk beyanı: :				
Karar kuralı :				
				
Bu analiz raporu laboratuvara gelen numuneyi temsil eder, örnekleme anından laboratuvarımıza teslimine kadar olan prosedürlerin ve bakılması istenilen grup ve parametrelerin belirlenmesinde teknik ve hukuki sorumluluk numuneyi alana aittir. This report shall not be reproduced other than in full except with the permission of the laboratory. Testing reports without signature and seal are not valid. The result belong to the tested sample. KKÇL-FR-123-01.10.2014/04/06.01.2022				
Sayfa No:2/2				



T.C
KAHRAMANMARAŞ VALİLİĞİ
İL SAĞLIK MÜDÜRLÜĞÜ
KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARI
ANALİZ RAPORU

İlgi Yazı Tarih ve Sayısı	21.06.2022 /
Numunenin Alındığı Tarih/Saat	21.06.2022 / :
Numunenin HSL'ye Geliş Tarihi/Saati	21.06.2022 / 13:46
Protokol No / Numune Barkod No	2022-538 - 1 / 2071091551
CSBYS No	---
Rapor Sayfa Sayısı	2

Numuneyi Gönderen Kişi/Kurum/Kuruluş	TÜRKOĞLU İLÇE SAĞLIK MÜDÜRLÜĞÜ		
Numunenin Alındığı Adres	KILILI MAH. BALSUYU BULV. NO:53/TÜRKOĞLU/KAHRAMANMARAŞ		
Numune İzleme Noktası	NAZAR TEKSTİL FAB. MUTFAK SEBİL(ŞEBEKE)		
Numunenin Geliş Sebebi	ÖZEL İSTEK ANALİZLER	*İçme- Kullanma Suları (Kimyasal+Mikrobiyolojik) (Aritim Yok)	
Numune Lab. Sevk Tarihi - Saati / Alınış Nedeni	21.06.2022 - 13:47		
Numune Grubu	SU ANALİZLERİ		
Numunenin Cinsi / Adı /Markası /Üret.Firma Adı	İÇME KULLANMA SUYU	---	---
Numunenin Ambalaj Şekli / Etiket / Miktarı	Steril Pet Şişe + Pet Şişe	ETİKETLİ	500+500CC
Numunenin Üret.Tar./ Son Kul.Tar./ Parti No/ Seri	---	---	---
Mühür Durumu / Tutanak-Sözleşme Tarihi / No	MÜHÜRLÜ	---	---
Fatura Edilecek Kişi/Kurum/Kuruluş	NAZAR TEKSTİL SAN. VE TİC. A.Ş./ KMARAS		
Makbuz Tarih ve No / Dekont Tarih ve No	---	---	
Beyan. Tarih Sayı / İthal Ön İzin Belge Tarih Sayı			
Numunenin Durumu	Analize Uygun		
Numune Bilgileri	---	---	
Analize Başlama/Bitiş Tarihi	21.06.2022 14:01	23.06.2022 09:13	
Raporlama Tarihi	23.06.2022 00:00		

MİKROBİYOLOJİK ANALİZLER					
Çalışılan Analizler	Birim	Yöntem	Tayin Limiti (LOQ)	Mevzuat Limiti	Analiz Sonucu
Enterokok / Fekal Streptococ	kob/100mL	TS EN ISO 7899-2		0	0
Koliform Bakteri	kob/100mL	TS EN ISO 9308-1		0	0
Escherichia coli	kob/100mL	TS EN ISO 9308-1		0	0

KİMYASAL ANALİZLER					
Çalışılan Analizler	Birim	Yöntem	Tayin Limiti (LOQ)	Mevzuat Limiti	Analiz Sonucu
İletkenlik	20° C'de µS/cm	TS 9748 EN 27888		2500	20.0
pH	pH Birimi	TS EN ISO 10523		6,5 - 9,5	7.82
Bulanıklık (Fiziksel)	TKEDY	Fiziksel		TKEDY	UYGUN
Koku(Fiziksel)	TKEDY	Fiziksel		TKEDY	UYGUN
Amonyum(fotometrik)	mg/L	Fotometrik (Hazır Kit)		0,5	0.01

Rapor Baskı Tarihi : 23.06.2022 1/4

YÖRÜK SELİM MAHALLESİ GAZI MUSTAFA KUŞKU CADDESİ NO:34 12 ŞUBAT/KAHRAMANMARAŞ TEL:0344-223-18-46 FAX:0344-214-48-58 e-posta: kahrromanmaras.hsl@thsk.gov.tr
Bu belge 5070 sayılı Elektronik Kanununa göre İlçe Sağlık Müdürlüğüne ait elektronik ortamda oluşturulmuş ve dijital olarak imzalanmıştır. Belge Doğrulama Adresi: https://www.turkiye.gov.tr/saglik-bakanligi-ebys
Raporun elektronik imzalı konusunu ilçe/ilçe sağlık merkezine 02776000000-030-4615-bbf-baa6ba0b0cde kodu ile erişebilirsiniz.



T.C.
KAHRAMANMARAŞ VALİLİĞİ
İL SAĞLIK MÜDÜRLÜĞÜ
KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARI
ANALİZ RAPORU

İlgi Yazı Tarih ve Sayısı	21.06.2022 /
Numunenin Alındığı Tarih/Saat	21.06.2022 / :
Numunenin HSL'ye Geliş Tarihi/Santi	21.06.2022 / 13:46
Protokol No / Numune Barkod No	2022-538 - 1 / 2071091551
CSBYS No	---
Rapor Sayfa Sayısı	2

KİMYASAL ANALİZLER					
Çalışılan Analizler	Birim	Yöntem	Tayın Limiti (LOQ)	Mevzuat Limiti	Analiz Sonucu
Renk (Fiziksel)	TKEDY	Fiziksel		TKEDY	UYGUN

Değerlendirme : Sonuçlar çalışılan analizler yönünden 17.02.2005 tarih ve 25730 sayılı Resmi Gazete'de yayımlanan İnsani Tüketim Amaçlı Sular Hakkında Yönetmeliğine göre uygundur.

Açıklamalar:
- Sonuçlar 17.02.2005 tarih ve 25730 sayılı Resmi Gazete'de yayımlanan İnsani Tüketim Amaçlı Sular Hakkında Yönetmeliğine göre değerlendirilmiştir.
- Sonuçlar 17.02.2005 tarih ve 25730 sayılı Resmi Gazete'de yayımlanan İnsani Tüketim Amaçlı Sular Hakkında Yönetmeliğine göre değerlendirilmiştir.
- Koyu renkte yazılmış olan analiz sonuçları ilgili mevzuat limitleri dışındadır.
- Numune tarafımızca alınmamış olup, müşteri tarafından sağlanan bilgiler esas alınarak, KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARI Numune Kabul Kriterlerine uygun olarak kabul edilmiştir.
- Özel istek amaçlı analizlerde, müşteri tarafından belirtilen bilgiler esas alınarak analize alınmış ve ilgili yönetmeliğe göre uygunluk değerlendirilmiştir.
- Bu rapordaki sonuçlar ve görüşler yukarıda belirtilen ve deneyi yapılan numunenin teslim alındığı hali için geçerlidir. Bu raporun hiçbir bölümü tek başına veya kısmen kullanılamaz ve KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARININ izni olmadan çoğaltılamaz. İmzasız raporlar geçerlidir. Özel istek numune analiz raporları adli ve idari işlemlerde ve reklam amaçlı kullanılamaz.
- Genişletilmiş ölçüm belirsizlikleri müşteri talebi veya yasal mevzuatlar zorunlu kıldığı durumlarda belirtilir.
- TKEDY: Tüketicilere kabul edilebilir veya herhangi bir anormal değişim yok.
- kob (cfu): Koloni oluşturan birim (colony forming unit)

Su Mikrobiyoloji Laboratuvarı

Birim Sorumlusu

SALİH DEMİRCİ

Biyolog

23.06.2022

Su Kimyası Laboratuvarı

Birim Sorumlusu

AKŞEMSETTİN BULUT

Kimyager

23.06.2022

Laboratuvar Sorumlusu

FATİH PURTAŞ

Dr. Kimyager

23.06.2022

Rapor Baskı Tarihi : 23.06.2022

2/4

YÖRÜK SELİM MAHALLESİ GAZİ MUSTAFA KUŞKU CADDESİ NO:34 12 ŞUBAT/KAHRAMANMARAŞ TEL:0344-223-18-46 FAX:0344-214-48-58 e-posta: kahrannmaras.hsl@thsk.gov.tr
Bu belge 5070 sayılı Elektronik İmza Kanunu ile elektronik ortamda onaylanmıştır. Belge Doğrulama Adresi: <https://www.turkiye.gov.tr/saglik-bakanligi-ebys>
Raporun elektronik ortamda onaylanması için <https://www.turkiye.gov.tr/saglik-bakanligi-ebys> adresine e-33-4615-b1bf-baa6baf0cdc kodu ile erişebilirsiniz.

Appendix C

DRINKING WATER ANALYSIS REPORTS



T.C.
KAHRAMANMARAŞ VALİLİĞİ
İL SAĞLIK MÜDÜRLÜĞÜ
(Halk Sağlığı Laboratuvarı)



Sayı : E-13511907-360.01
Konu : Su Analiz Raporları

İLÇE SAĞLIK MÜDÜRLÜĞÜ
TÜRKOĞLU

İlgi :14.12.2021 tarihli ve 154418163-154415735-154414077-154417853 sayılı yazınız.

Müdürlüğümüze gönderilen su numunelerine ait Bakteriyojik ve Kimyasal su analiz raporları ekte gönderilmiştir.

Bilgilerinize rica ederim.

Dr. Ahmet YENER
İL Sağlık Müdürü a.
Halk Sağlığı Hizmetleri Başkanı

Ekler:

1- Bak. ve Kim. Su Analiz Rapor (16 Sayfa)

Yörük Selim Mah. Halk Sağlığı Laboratuvarı./46050 KAHRAMANMARAŞ Ayrıntılı Bilgi için İrtibat: Dr. Kimyager Fatih PURTAŞ
Telefon No:0344 223 18 46
E-Posta: kahramanmaras.hsl@saglik.gov.tr

Bu belge, güvenli elektronik imza ile imzalanmıştır.
Belge Doğrulama Kodu: 5ef34d2b-da69-4a1b-bf60-0407af3503c4 Belge Doğrulama Adresi: <https://www.turkiye.gov.tr/saglik-bakanligi-ebys>





T.C
KAHRAMANMARAŞ VALİLİĞİ
İL SAĞLIK MÜDÜRLÜĞÜ
KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARI
ANALİZ RAPORU

İlgi Yazı Tarih ve Sayısı	14.12.2021 / 1415
Numunenin Alındığı Tarih/Saat	14.12.2021 / :
Numunenin HSL'ye Geliş Tarihi/Saati	14.12.2021 / 14:37
Protokol No - Numune Barkod No	2021-1002 - 1 / 2039728386
CSBYS No	---
Rapor Sayfa Sayısı	2

Numunenin Gönderen Kişi Kurum Kuruluş	TÜRKOĞLU İLÇE SAĞLIK MÜDÜRLÜĞÜ		
Numunenin Alındığı Adres	KILILI MAHALLESİ BALSUYU BULV. NO:53/TÜRKOĞLU/KAHRAMANMARAŞ		
Numune İzleme Noktası	İŞLETME YEMEKHANE ÇEŞMESİ		
Numunenin Geliş Sebebi	ÖZEL İSTEK ANALİZLER	*İçme- Kullanma Suları (Kimyasal+Mikrobiyolojik) (Aritim Yok)	
Numune Lab. Sevki Tarihi - Saati / Alınış Nedeni	14.12.2021 - 14:52		
Numune Grubu	SU ANALİZLERİ		
Numunenin Cinsi / Adı / Markası / Üret.Firma Adı	İÇME KULLANMA SUYU	---	---
Numunenin Ambalaj Şekli / Etiketi / Miktarı	Steril Pet Şişe + Pet Şişe	ETİKETLİ	500+500 ml
Numunenin Üret. Tar. / Son Kul. Tar./ Parti No/ Seri	---	---	---
Mühür Durumu / Tutanak-Sözleşme Tarihi / No	MÜHÜRLÜ	---	---
Fatura Edilecek Kişi Kurum/Kuruluş	NAZAR TEKSTİL SAN. VE TİC. A.Ş./ K.MARAŞ		
Makbuz Tarih ve No / Dekont Tarih ve No	---	---	
Beyan. Tarih Sayı / İthal Ön İzin Belge Tarih Sayı			
Numunenin Durumu	Analize Uygun		
Numune Bilgileri	---	---	
Analize Başlama/Bitiş Tarihi	14.12.2021 14:54	16.12.2021 10:07	
Raporlama Tarihi	16.12.2021 00:00		

MİKROBİYOLOJİK ANALİZLER

Çalışılan Analizler	Birim	Yöntem	Tayin Limiti (LOQ)	Mevzuat Limiti	Analiz Sonucu
Escherichia coli	kob/100mL	TS EN ISO 9308-1		0	0
Koliform Bakteri	kob/100mL	TS EN ISO 9308-1		0	0
Enterokok / Fekal Streptococ	kob/100mL	TS EN ISO 7899-2		0	0

KİMYASAL ANALİZLER

Çalışılan Analizler	Birim	Yöntem	Tayin Limiti (LOQ)	Mevzuat Limiti	Analiz Sonucu
Bulanıklık (Fiziksel)	TKEDY	Fiziksel		TKEDY	UYGUN
Koku (Fiziksel)	TKEDY	Fiziksel		TKEDY	UYGUN
Renk (Fiziksel)	TKEDY	Fiziksel		TKEDY	UYGUN
İletkenlik	20° C'de µS/cm	TS 9748 EN 27888		2500	111

Rapor Baskı Tarihi : 16.12.2021 1/4

YÖRÜK SELİM MAHALLESİ GAZİ MUSTAFA KUŞKU CADDESİ NO:34 12 ŞUBAT/KAHRAMANMARAŞ TEL:0344-223-18-46 FAX:0344-214-49-56 e-posta: kahrromanmaras.hsl@thsk.gov.tr

Belge Doğrulama Kodu: 5e33422b-da69-4a1b-b560-0407a3503cA Belge Doğrulama Adresi: <https://www.turkiye.gov.tr/saglik-bakanligi-ehya>
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T.C.
KAHRAMANMARAŞ VALİLİĞİ
İL SAĞLIK MÜDÜRLÜĞÜ
KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARI
ANALİZ RAPORU

İlgi Yazı Tarih ve Sayısı	14.12.2021 / 1415
Numunenin Alındığı Tarih/Saat	14.12.2021 / :
Numunenin HSL'ye Geliş Tarihi/Saati	14.12.2021 / 14:37
Protokol No / Numune Barkod No	2021-1002 - 1 / 2039728386
CSBYS No	---
Rapor Sayfa Sayısı	2

KİMYASAL ANALİZLER					
Çalışılan Analizler	Birim	Yöntem	Tayin Limiti (LOQ)	Mevzuat Limiti	Analiz Sonucu
Amonyum(fotometrik)	mg/L	Fotometrik (Hazır Kit)		0,5	0.05
pH	pH Birimi	TS EN ISO 10523		6,5 - 9,5	8.20

Değerlendirme : Sonuçlar çalışılan analizler yönünden 17.02.2005 tarih ve 25730 sayılı Resmi Gazete'de yayımlanan İnsani Tüketim Amaçlı Sular Hakkında Yönetmeliğine göre uygundur.

<p>Açıklamalar:</p> <ul style="list-style-type: none"> - Sonuçlar 17.02.2005 tarih ve 25730 sayılı Resmi Gazete'de yayımlanan İnsani Tüketim Amaçlı Sular Hakkında Yönetmeliğine göre değerlendirilmiştir. - Koyu renkte yazılmış olan analiz sonuçları ilgili mevzuat limitleri dışındadır. -Numune tarafımızca alınmamış olup, müşteri tarafından sağlanan bilgiler esas alınarak, KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARI Numune Kabul Kriterlerine uygun olarak kabul edilmiştir. -Özel istek amaçlı analizlerde,müşteri tarafından belirtilen bilgiler esas alınarak analize alınmış ve ilgili yönetmeliğe göre uygunluk değerlendirmesi yapılmıştır. - Bu rapordaki sonuçlar ve görüşler yukarıda belirtilen ve deneyi yapılan numunenin teslim alındığı hâli için geçerlidir.Bu raporun hiçbir bölümü tek başına veya kısmen kullanılamaz ve KAHRAMANMARAŞ HALK SAĞLIĞI LABORATUVARININ izni olmadan çoğaltılamaz. İmzasız raporlar geçersizdir. Özel istek numune analiz raporları adli ve idari işlemlerde ve reklam amaçlı kullanılamaz. - Genişletilmiş ölçüm belirsizlikleri müşteri talebi veya yasal mevzuatlar zorunlu kıldığı durumlarda belirtilir. - TKEDY: Tüketicilerce kabul edilebilir veya herhangi bir anormal değişim yok. - kob (cfu): Koloni oluşturan birim (colony forming unit)
--

Su Mikrobiyoloji Laboratuvarı
Birim Sorumlusu
SALİH DEMİRCİ
Biyolog
16.12.2021






Su Kimyası Laboratuvarı
Birim Sorumlusu
MUSTAFA METO
Kimya Mühendisi
16.12.2021





Laboratuvar Sorumlusu
FATİH PURTAŞ
Dr. Kimyager
16.12.2021

Rapor Baskı Tarihi : 16.12.2021 2/4

YÖRÜK SELİM MAHALLESİ GAZİ MUSTAFA KUŞKU CADDESİ NO:34 12 ŞUBAT/KAHRAMANMARAŞ TEL:0344-223-18-46 FAX:0344-214-48-58 e-posta: kahramanmaras.hsl@thsk.gov.tr

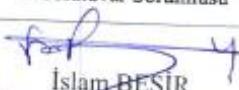

Belge Doğrulama Kodu: 5e34d2b-da69-4a1b-bf60-0407af3503c4 Belge Doğrulama Adresi: https://www.turkiye.gov.tr/saglik-bakanligi-cbys
Bu belge, güvenli elektronik imza ile imzalanmıştır.

		T.C. KAHRAMANMARAŞ SÜTÇÜ İMAM ÜNİVERSİTESİ Üniversite-Sanayi-Kamu İşbirliği Geliştirme Uygulama ve Araştırma Merkezi (ÜSKİM) Laboratuvarları AVŞAR KAMPÜSÜ / KAHRAMANMARAŞ Tel: 0(344) 300 18 80 Faks: 0(344) 300 18 81 uskim@ksu.edu.tr http://uskim.ksu.edu.tr/			
		Deney Raporu Test Report		GD-MBA-0019297 03.23	
Müşteri Adı / Adresi (Customer/Address)	Nazar Tekstil San. ve Tic. A.Ş. / Adana Yolu üzeri 17. Km. Kılıb				
İstek Numarası (Order Number)	GD-MBA-0019297				
Numunenin Adı ve Tanımı (Name and identify of test item)	Su				
Numunenin Kabul Tarihi (The date of receipt of test item)	20/03/2023 11:52				
Numuneyi Alan Kurum / Kişi (The institution that took the sample)	Ferudun KOÇER				
Müşterinin Numune Tanımlaması (Sample identification of customer)	Su numunesi				
Mühür No ve Yeri (Seal number and location)	Su				
Deneyin Yapıldığı Tarih (Date of test)	20/03/2023 11:56		21/03/2023 22:08		
Raporun Sayfa Sayısı (Number of pages of the report)	3				
<p>Deney ve / veya ölçüm sonuçları ,genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.</p> <p>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.</p> <p>Deney laboratuvarı olarak faaliyet gösteren [Üniversite-Sanayi-Kamu İş birliği Geliştirme Uygulama ve Araştırma Merkezi (ÜSKİM)], TÜRKAK'tan [AB-0582-T] ile [TS EN ISO/IEC 17025- 18.12.2017] standardına göre akredite edilmiştir.</p> <p>[University-Industry-PublicCooperation Development Application andResearch Center (USKIM)] accreditedby TÜRKAK underregistrationnumber [AB-0582-T] for [TS EN ISO/IEC 17025- 18.12.2017] as test laboratory</p>					
Mühür (Seal)	Tarih (Date)	Laboratuvar Sorumlusu (Laboratory Supervisor)	Merkez Laboratuvar Koordinatörü (General Coordinator of Central Laboratories) 4		
	21/03/2023	 İslam BEŞİR Ziraat Yüksek Mühendisi	 Mahmut ÇAYLAR Öğretim Görevlisi		
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Sayfa 1 / 3					

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E-coli Analizi (arıtma sebül suyu-2)		Tespit edilmedi.			Plaka Ekim

Görüşler : Mikrobiyolojik analiz bulgularına göre

Laboratuvar Sorumlusu  İslam BEŞİR Ziraat Yüksek Mühendisi	Onaylayan <i>u</i>  Mahmut ÇAYLAR Öğretim Görevlisi
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 4-) Deney tekran istenmesi halinde laboratuvarlarımızda numune kalmamıştır. [] / Sahit numune süre sonunda imha edilecektir.
 5-) Uygunluk Beyanı :
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