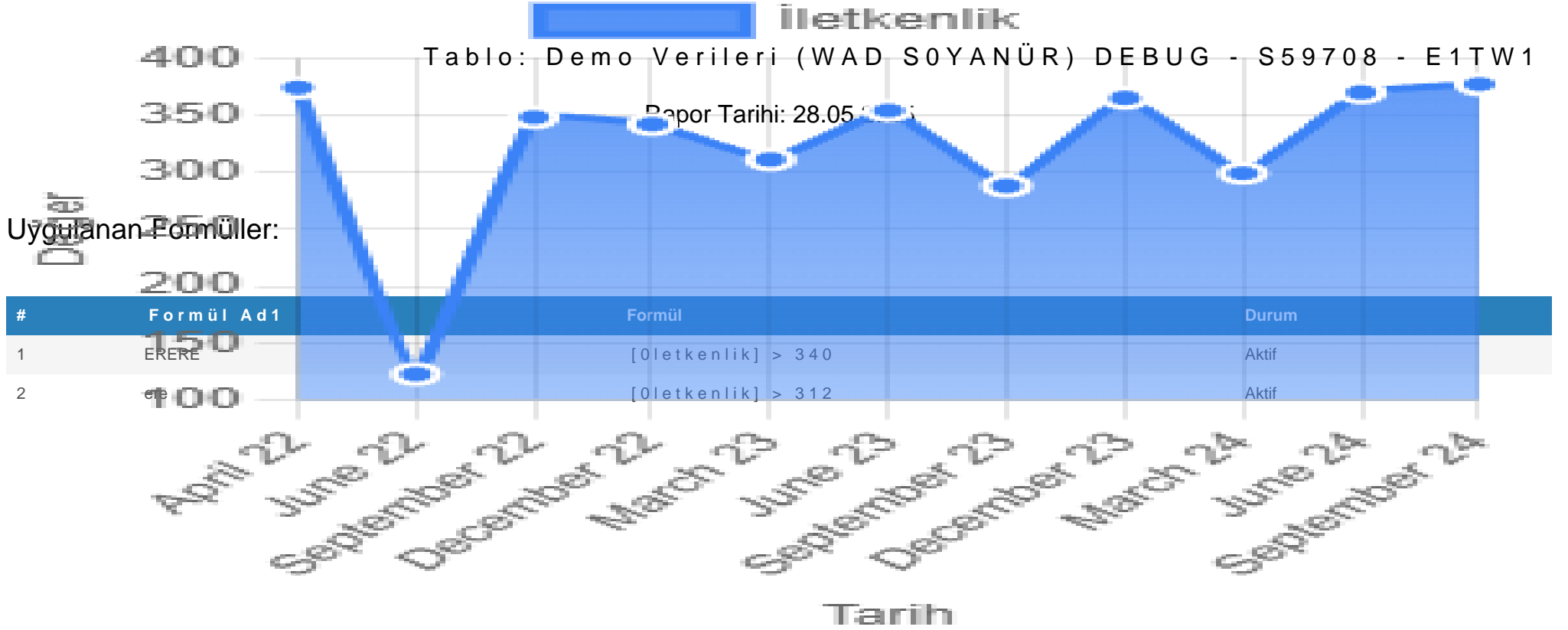


## Grafik 1: iletkenlik Trend Grafi i

### Ç1nar Çevre Laboratuvar1

## iletkenlik Trend Grafi i

### Kapsamlı Analiz Raporu



De i\_ken: iletkenlik

Tarih Aralı 1: April 22 - September 24

# Veri Tablosu (Formül Vurgulamalı)

Uygulanan Formüller: ERERE, ere

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
Ç1nar Çe' Lab,	iletkenlik	TS 9748 EN 27888	µS/cm	-	374	123	348	342	311	354	288	365	299	370	377
Ç1nar Çe' Lab,	Orto Fosfat,	SM 4500 P-E	mg/L	<0,01	<0,01	0.0230	<0,01	0.0220	<0,01	<0,01	0.0300	0.0260	0.0270	<0,01	0.025
Ç1nar Çe' Lab,	Toplam Fosfor,	TS EN ISO 15587, TS EN ISO 172 94-1-2	mg/L	<0,005	0.0290	0.0323	0.0240	0.0187	0.0229	0.0253	0.0278	<0,005	0.0116	0.0176	0.0265
Ç1nar Çe' Lab,	Alkalinite Tayini	SM 2320 B	mg/L	<2	177.0	170.4	186.2	168.2	180.8	168.2	178.2	178.4	181.6	171.0	170.6
Ç1nar Çe' Lab,	Amonyum Azotu Tayini	SM 4500 - N H f B-F	mg/L	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016	<0,016
Ç1nar Çe' Lab,	Askıda Katı Madde Tayini	SM 2540 D	mg AKM/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ç1nar Çe' Lab,	Biyokimyasal Oksijen Ohtibi (BO05) Tayini	SM 5210 B	mg/L	<3	<3	<3	<3	<3	<3,0	<3	<3	<3	<3	<3	<3
Ç1nar Çe' Lab,	Çözünmüş Oksijen-Oksijen Doygunluğu (Çözünmüş Oksijen)	ASTM D 888	mg/L	-	7.38	7.33	7.44	8.14	7.81	8.15	8.19	8.24	7.89	7.79	7.57
Ç1nar Çe' Lab,	Çözünmüş Oksijen-Oksijen Doygunluğu (Oksijen Doygunluğu)	ASTM D 888	%	-	80	90	91	91	88	93	95	93	88	92	90.9
Ç1nar Çe' Lab,	Florür (F-)	SM 4110 B	mg/L	<0,1	0.115	<0,1	<0,1	<0,1	0.1258	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
Ç1nar Lab,	Çe' Karbonatlar Tayini (Bikarbonat)	SM 2320 B	mg/L	<2	177	160	174.2	162.6	173.6	155.4	164.6	172	161.6	164.6	167
Ç1nar Lab,	Çe' Karbonatlar Tayini (Karbonat (CaCO3))	SM 2320 B	mg/L	<2	<2	10.4	12	5.6	7.2	12.8	13.6	6.4	20	6.4	3.6
Ç1nar Lab,	Çe' Karbonatlar Tayini (Hidroksil)	SM 2320 B	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Ç1nar Lab,	Çe' Kimyasal Oksijen 0htiyac1 (Kl Tayini	SM 5220 B	mg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ç1nar Lab,	Çe' Klorür (Cl-)	SM 4110 B	mg/L	<1	8.09	8.05	7.05	7.11	9.01	8.47	6.60	5.81	7.37	7.26	7.35
Ç1nar Lab,	Çe' Nitrat Azotu (NO3-N)	SM 4110 B	mg/L	<0,1	3.57	3.80	3.33	3.31	4.00	4.11	2.79	2.50	3.51	3.20	1.5
Ç1nar Lab,	Çe' Nitrit Azotu Tayini	SM 4110 B	mg/L	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002
Ç1nar Lab,	Çe' pH	SM 4500 - H z B	-	-	8.18	7.96	7.79	7.97	7.82	7.79	7.17	7.83	7.78	8.02	7.98
Ç1nar Lab,	Çe' Sülfat (SO4-2)	SM 4110 B	mg/L	<0,5	7.19	8.14	7.09	7.05	8.94	8.70	6.45	5.72	8.77	7.79	7.01
Ç1nar Lab,	Çe' Sülfür Tayini	SM 4500 S-2 D	mg/L	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002
Ç1nar Lab,	Çe' Suda Toplam Ç ö z ü n m ü _ Madde Tayini	SM 2540 C	mg/L	-	159.8	149.0	167.1	164.4	149.0	170.1	137.8	175.2	143.3	177.6	181.1
Ç1nar Lab,	Çe' Toplam Organik Karbon (TOC) Tayini	TS 8195 EN 1484	mg/L	4	4	4	4	4	4	4	4	4	4	4	4
Ç1nar Lab,	Çe' Toplam Siyanür Tayini	SM 4500-CN E	mg/L	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005
Ç1nar Lab,	Çe' Tetrachloroethylene	EPA 5021 A, EPA 8260 C	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
Ç1nar Çe' Lab,	Trichloroethylene	EPA 5021 A, EPA 8260 C	µg/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ç1nar Çe' Lab,	Çözünmüş Alüminyum (Al)	TS EN ISO 172 94-1-2	mg/L	<0,02	0.06067	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	0.02281	<0,02	<0,02
Ç1nar Çe' Lab,	Çözünmüş Antimon Tayini	TS EN ISO 172 94-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005
Ç1nar Çe' Lab,	Çözünmüş Arsenik (As)	TS EN ISO 172 94-1-2	mg/L	<0,0005	0.00093	0.00137	0.00104	0.0013	0.00127	0.00149	0.00128	0.0013	0.00141	0.0011	0.0013
Ç1nar Çe' Lab,	Çözünmüş (Cu)	TS EN ISO 172 94-1-2	mg/L	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Ç1nar Çe' Lab,	Çözünmüş Baryum (Ba)	TS EN ISO 172 94-1-2	mg/L	<0,005	0.00809	0.00659	0.0068	0.00785	0.00669	0.0083	0.007	0.00646	0.00754	0.00607	0.0079
Ç1nar Çe' Lab,	Çözünmüş (B)	TS EN ISO 172 94-1-2	mg/L	<0,02	0.04045	<0,02	0.03698	0.03111	0.04937	0.04864	0.05189	<0,02	0.05415	0.07554	0.0483
Ç1nar Çe' Lab,	Çözünmüş (Hg)	TS EN ISO 172 94-1-2	mg/L	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001
Ç1nar Çe' Lab,	Çözünmüş (Zn)	TS EN ISO 172 94-1-2	mg/L	<0,001	0.109	0.02727	<0,001	0.00303	0.00206	0.01637	0.0065	<0,001	0.04661	0.01928	0.0017
Ç1nar Çe' Lab,	Çözünmüş (Fe)	TS EN ISO 172 94-1-2	mg/L	<0,005	0.14614	0.01634	<0,005	0.00827	<0,005	<0,005	<0,005	0.02317	0.0215	0.01046	0.007444
Ç1nar Çe' Lab,	Çözünmüş Kadmiyum (Cd)	TS EN ISO 172 94-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005
Ç1nar Çe' Lab,	Çözünmüş Kalsiyum Tayini	TS EN ISO 172 94-1-2	mg/L	<0,005	33.05878	32.50827	38.66563	32.56485	38.0582	35.55006	31.51546	34.29175	36.8159	30.42252	30.79
Ç1nar Çe' Lab,	Çözünmüş K	TS EN	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
Lab,	(Co)	ISO 17294-1-2													
Ç1nar Lab,	Çe' Çözünmü_K Tayini	TS EN ISO 17294-1-2	mg/L	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Ç1nar Lab,	Çe' Çözünmü_Kur_un (Pb)	TS EN ISO 17294-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005
Ç1nar Lab,	Çe' Çözünmü_Magnezyum Tayini	TS EN ISO 17294-1-2	mg/L	<0,05	12.54	12.44	14.36	13.91	13.78	14.59	13.79	12.30	14.42	14.80	13.88
Ç1nar Lab,	Çe' Çözünmü_Mangan Tayini	TS EN ISO 17294-1-2	mg/L	<0,0005	0.00281	0.00128	0.0008	0.00113	<0,0005	0.00055	0.00218	0.00087	0.0012	0.00112	0.001
Ç1nar Lab,	Çe' Çözünmü_N (Ni)	TS EN ISO 17294-1-2	mg/L	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005
Ç1nar Lab,	Çe' Çözünmü_Potasyum Tayini	TS EN ISO 17294-1-2	mg/L	<0,05	2.3907	2.31664	2.51237	2.69809	2.45782	2.53819	2.1957	2.50644	2.54276	2.17792	2.361
Ç1nar Lab,	Çe' Çözünmü_Selenyum Tayini	TS EN ISO 17294-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005
Ç1nar Lab,	Çe' Çözünmü_Sodyum Tayini	TS EN ISO 17294-1-2	mg/L	<0,05	19.03055	17.8097	19.26752	19.19282	18.57735	19.90377	18.11424	20.81115	19.40611	18.56671	20.024
Ç1nar Lab,	Çe' Çözünmü_Molibden Tayini	TS EN ISO 17294-1-2	mg/L	<0,0005			<0,0005			0.00066	<0,0005	0.0006	<0,0005	<0,0005	<0,0005
Ç1nar Lab,	Çe' Toplam Alüminyum (Al)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,02	0.06315	<0,02	<0,02	<0,02	<0,02	<0,02	0.02459	0.016912	0.05662	<0,02	0.03924
Ç1nar Lab,	Çe' Toplam Antimon Tayini	TS EN ISO 15587, TS EN	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
		ISO 17294-1-2													
Ç1nar Lab,	Çe· Toplam Arsenik (As)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.00139
Ç1nar Lab,	Çe· Toplam Bakır (Cu)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,001	<0,001	0.00	0.00	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Ç1nar Lab,	Çe· Toplam Baryum (Ba)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,005	0.0081	0.00711	0.00774	0.0082	0.00756	0.00855	0.00856	0.02221	0.01988	0.0069	0.00845
Ç1nar Lab,	Çe· Toplam Bor (B)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,02	0.053	<0,02	0.038	0.032	0.052	0.058	0.054	<0,02	0.063	0.089	0.04838
Ç1nar Lab,	Çe· Toplam Civa (Hg)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001	<0,0001
Ç1nar Lab,	Çe· Toplam Çinko (Zn)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,001	0.112	0.046	0.010	0.041	0.003	0.020	0.009	0.028	0.066	0.028	0.00188
Ç1nar Lab,	Çe· Toplam Demir (Fe)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,005	0.15107	0.05314	0.0105	0.02915	0.01323	0.00546	<0,005	0.02538	0.07631	0.01093	0.00828

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
Ç1nar Lab,	Çe' Toplam Kadmiyum (Cd)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005
Ç1nar Lab,	Çe' Toplam Kalsiyum Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,05	34.93505	32.93144	39.25967	33.65474	38.68109	37.75354	35.09543	34.99465	41.18909	33.58272	32.0489
Ç1nar Lab,	Çe' Toplam Kobalt (Co)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005
Ç1nar Lab,	Çe' Toplam Krom Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Ç1nar Lab,	Çe' Toplam Kur_ (Pb)	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	0.00055	0.00092	<0,0005	<0,0005
Ç1nar Lab,	Çe' Toplam Magnezyum Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,05	12.66	12.50	15.96	14.46	14.16	15.29	15.03	14.51	14.83	14.88	14.59321
Ç1nar Lab,	Çe' Toplam Mangan Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005	0.00305	0.00398	0.00083	0.00353	<0,0005	0.00092	0.00275	0.0051	0.00503	0.00117	0.00106
Ç1nar Lab,	Çe' Toplam Nikel (Ni)	TS EN ISO	mg/L	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005	<0,005

Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
		15587, TS EN ISO 17294-1-2													
Ç1nar Lab,	Çe· Toplam Potasyum Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,05	2.4022	2.42284	2.6503	2.84045	2.51941	2.60404	2.38614	2.76617	2.5712	2.36856	2.52094
Ç1nar Lab,	Çe· Toplam Selenyum Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005	<0,0005	<0,0005	<0,0005	<0,0005	0.00	0.00	<0,0005	<0,0005	<0,0005	0.00	<0,0005
Ç1nar Lab,	Çe· Toplam Sodyum Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,05	19.307	17.95438	19.46027	20.02001	19.20925	20.07001	19.81583	22.64659	19.51084	18.7202	20.12781
	Toplam Molibden Tayini	TS EN ISO 15587, TS EN ISO 17294-1-2	mg/L	<0,0005			<0,005		1.09	0.00066	<0,0005	0.00061	<0,0005	0.00053	<0,0005
Ç1nar Lab,	Çe· Radyoaktivite Tayini (Alfa Radyoaktivite)	ASTM D7283	Bq/L			*	0.04								
Ç1nar Lab,	Çe· Radyoaktivite Tayini (Beta Radyoaktivite)	ASTM D7283	Bq/L			*	0.86								
Ç1nar Lab,	Çe· Zayıf Asitte Çözünebilen (WAD) Siyanür	SM 4500-CN I	mg/L	100	1000.000	1000.000	100.000	100.000	100.000	1000.000	1.000	<0,005	<0,005	<0,005	<0,005
Ç1nar Lab,	Çe· Coli-t	TS EN ISO 9308-1	KOB/100ml	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2
Ç1nar Lab,	Çe· Coli-f	SM 9222-D	KOB/100ml	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1



Data Source	Variable	Method	Unit	LOQ	April 22	June 22	September 22	December 22	March 23	June 23	September 23	December 23	March 24	June 24	September 24
Ç1nar Çevre Lab,	E-Coli	TS EN ISO 9308-1	KOB/100ml	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ç1nar Çevre Lab,	Enterococ	TS EN ISO 7899-2	KOB/100ml	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
(**): Numune alınma noktasında olması ve ötürü numune alınmamıştır,															

## Formül Vurgulamaları:

1. ERERE, ere

## Kullanılan Formüller:

### 1. ERE

Açıklama: Variable kolonundan oluşturulan formül: [iletkenlik] > 340

Formül: [iletkenlik] > 340

Tip: Hücre Doğrulama

### 2. ere

Açıklama: Variable kolonundan oluşturulan formül: [iletkenlik] > 312

Formül: [iletkenlik] > 312

Tip: Hücre Doğrulama