



SANİTER®

GIDA - ÇEVRE BİLİMİ GÖZETİM VE MÜHENDİSLİK
HİZMETLERİ TURİZM TİCARET LİMİTED ŞİRKETİ



Test
TS EN ISO/IEC 17025
AB-0009-T

ACCREDITED BY
TÜRKAK
TURKISH ACCREDITATION AGENCY

ANALYSIS REPORT

AB-0009-T
2049508-20
07-20

Report No : 2049508-20
The Purpose of the Analysis : SPECIAL REQUESTS
Customer Name : ARTEKYA TEKNOLOJİ LTD.ŞTİ.
Address : TUBİTAK GEBZE YERLEŞKESİ TEKNOLOJİ SERBEST BÖLGESİ YENİ TEKNOLOJİ
BİNALARI D BLOK ZEMİN KAT GEBZE KOCAELİ

Sample's ;
Serial-Batch/ Number :-
The location of sampling :-
Packing Shape/Type : NYLON PACKING
Quantity : 1 PACKAGE
Producing Company/Brand :-
Temperature of sample :-
Ambient/delivery temperature :-
Type : A-15
Type of Material Tested :-
Specimen Size : 5x5 cm²
Covering Film :-
Incubation condition(temperature,time) : 36°C , 0-24 hour
Inoculation volume : 0.4 ml

Date of Manufacture :-
Expiration Date :-
Date Received /Arrived : 06.07.2020
Date of analysis : 07.07.2020
Date of report : 16.07.2020

A-15" has been detected in bactericidal effect for *Escherichia coli* according to the ISO 22196 (Measurement of antibacterial activity on plastics and other non-porous surfaces).

SAMPLE ANALYSIS RESULTS*					COMPLIANCE STATUS**
Microorganism Strain No	Inoculum Density (cfu/ml)	Cell count,time '0' untreated specimens (cfu/cm ²) (Uo)	Cell count,time '24' h' untreated specimens (cfu/cm ²) (Ut)	Cell count,time '24' h treated specimens (cfu/cm ²) (At)	
Escherichia coli ATCC 8739	2.54x10 ⁵	1.06x10 ⁴ (log:4.03)	1.76x10 ⁵ (log:5.25)	2.04x10 ³ (log:3.31)	NC

ANTIBACTERIAL ACTIVITY (R value must be bigger than 2) = $R = (Ut - Uo) - (At - Uo) = 1,94$

*:Accredited analysis by TÜRKAK.

The result of the analysis are given above.

**::Compliance Status:C:Conformed NC:Non Conformed NE:No Evaluation for not having limit value.

Cansu KOLOĞLU
Microbiology Department Chief

Yasemin AKBAYIKOĞLU
Sample Acceptance and Reporting
Department Chief

SANİTER GIDA - ÇEVRE BİLİMİ GÖZETİM ve
MÜHENDİSLİK HİZMETLERİ LTD. ŞTİ.
Yeni Sahra Mh. Fatih Cd. No 18/20
PK 34746 Beşiktaş / İSTANBUL
Tel: (0216) 470 81 48 - 470 81 49
V.D. Kozyatağı No 7440003092

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TURKISH ACCREDITATION AGENCY

ANALYSIS REPORT

Report No : 2049509-20
The Purpose of the Analysis : SPECIAL REQUESTS
Customer Name : ARTEKYA TEKNOLOJİ LTD.ŞTİ.
Address : TUBİTAK GEBZE YERLEŞKESİ TEKNOLOJİ SERBEST BÖLGESİ YENİ TEKNOLOJİ
BİNALARI D BLOK ZEMİN KAT GEBZE KOCAELİ

AB-0009-T

2049509-20

07-20

Sample's :
Serial-Batch/ Number :-
The location of sampling :-
Packing Shape/Type : NYLON PACKING
Quantity : 1 PACKAGE
Producing Company/Brand :-
Temperature of sample :-
Ambient/delivery temperature :-
Type : A-31
Type of Material Tested :-
Specimen Size : 5x5 cm²
Covering Film :-
Incubation condition(temperature,time) : 36°C , 0-24 hour
Inoculation volume : 0.4 ml

Date of Manufacture :-
Expiration Date :-
Date Received /Arrived : 06.07.2020
Date of analysis : 07.07.2020
Date of report : 16.07.2020

A-31" has been detected in bactericidal effect for *Escherichia coli* according to the ISO 22196 (Measurement of antibacterial activity on plastics and other non-porous surfaces).

SAMPLE ANALYSIS RESULTS*					COMPLIANCE STATUS**
Microorganism Strain No	Inoculum Density (cfu/ml)	Cell count,time '0' untreated specimens (cfu/cm ²) (Uo)	Cell count,time '24 h' untreated specimens (cfu/cm ²) (Ut)	Cell count,time '24 h' treated specimens (cfu/cm ²) (At)	
Escherichia coli ATCC 8739	2.54x10 ⁵	1.06x10 ⁴ (log:4.03)	1.76x10 ⁵ (log:5.25)	5.41x10 ² (log:2.73)	C

ANTIBACTERIAL ACTIVITY (R value must be bigger than 2) = $R = (Ut - Uo) - (At - Uo) = 2,52$

*:Accredited analysis by TURKAK.

The result of the analysis are given above.

**::Compliance Status:C:Conformed NC:Non Conformed NE:No Evaluation for not having limit value.

Cansu KÖLOĞLU
Microbiology Department Chief

Yasemin AKBAYRAK
Sample Acceptance and Reporting
Department Chief

SANİTER GIDA - ÇEVRE BİLİMİ GÖZETİM VE
MÜHENDİSLİK HİZ. TUBİTAK LTD.ŞTİ.
Yeni Sahra Mah. Fatih Cd. No: 18/20
PK 34746 Ataşehir / İSTANBUL
Tel: (0216) 470 81 48 - 470 81 49
V.D. Kozyatağı No 7440003092

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ANALYSIS REPORT

Report No : 2049510-20
The Purpose of the Analysis : SPECIAL REQUESTS
Customer Name : ARTEKYA TEKNOLOJİ LTD.ŞTİ.
Address : TUBİTAK GEBZE YERLEŞKESİ TEKNOLOJİ SERBEST BÖLGESİ YENİ TEKNOLOJİ
BİNALARI D BLOK ZEMİN KAT GEBZE KOCAELİ

AB-0009-T

2049510-20

07-20

Sample's :
Serial-Batch/ Number :-
The location of sampling :-
Packing Shape/Type : NYLON PACKING
Quantity : 1 PACKAGE
Producing Company/Brand :-
Temperature of sample :-
Ambient/delivery temperature :-
Type : A-32
Type of Material Tested :-
Specimen Size : 5x5 cm²
Covering Film :-
Incubation condition(temperature,time) : 36°C , 0-24 hour
Inoculation volume : 0.4 ml

Date of Manufacture :-
Expiration Date :-
Date Received /Arrived : 06.07.2020
Date of analysis : 07.07.2020
Date of report : 16.07.2020

A-32" has been detected in bactericidal effect for *Escherichia coli* according to the ISO 22196 (Measurement of antibacterial activity on plastics and other non-porous surfaces).

SAMPLE ANALYSIS RESULTS*					COMPLIANCE STATUS**
Microorganism Strain No	Inoculum Density (cfu/ml)	Cell count,time '0' untreated specimens (cfu/cm ²) (Uo)	Cell count,time '24 h' untreated specimens (cfu/cm ²) (Ut)	Cell count,time '24 h' treated specimens (cfu/cm ²) (At)	
Escherichia coli ATCC 8739	2.54x10 ⁵	1.06x10 ⁴ (log:4.03)	1.76x10 ⁵ (log:5.25)	9.16x10 ² (log:2.96)	C

ANTIBACTERIAL ACTIVITY (R value must be bigger than 2) = $R = (U_t - U_o) - (A_t - U_o) = 2,29$

*:Accredited analysis by TURKAK.

The result of the analysis are given above.

**::Compliance Status:C:Conformed NC:Non Conformed NE:No Evaluation for not having limit value.

Cansu KÖLOĞLU
Microbiology Department Chief

Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

SANİTER GIDA - ÇEVRE GÖZETİM VE
MÜHENDİSLİK HİZ. TİC. A.Ş.
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ANALYSIS REPORT

Report No : 2049511-20
The Purpose of the Analysis : SPECIAL REQUESTS
Customer Name : ARTEKYA TEKNOLOJİ LTD.ŞTİ.
Adress : TUBİTAK GEBZE YERLEŞKESİ TEKNOLOJİ SERBEST BÖLGESİ YENİ TEKNOLOJİ
BİNALARI D BLOK ZEMİN KAT GEBZE KOCAELİ

AB-0009-T

2049511-20

07-20

Sample's :
Serial-Batch/ Number :-
The location of sampling :-
Packing Shape/Type : NYLON PACKING
Quantity : 1 PACKAGE
Producing Company/Brand :-
Temperature of sample :-
Ambient/delivery temperature :-
Type : A-33
Type of Material Tested :-
Specimen Size : 5x5 cm²
Covering Film :-
Incubation condition(temperature,time) : 36°C , 0-24 hour
Inoculation volume : 0.4 ml

Date of Manufacture :-
Expiration Date :-
Date Received /Arrived : 06.07.2020
Date of analysis : 07.07.2020
Date of report : 16.07.2020

A-33" has been detected in bactericidal effect for *Escherichia coli* according to the ISO 22196 (Measurement of antibacterial activity on plastics and other non-porous surfaces).

SAMPLE ANALYSIS RESULTS*					COMPLIANCE STATUS**
Microorganism Strain No	Inoculum Density (cfu/ml)	Cell count,time '0' untreated specimens (cfu/cm ²) (Uo)	Cell count,time '24 h' untreated specimens (cfu/cm ²) (Ut)	Cell count,time '24' h treated specimens (cfu/cm ²) (At)	
Escherichia coli ATCC 8739	2.54x10 ⁵	1.06x10 ⁴ (log:4.03)	1.76x10 ⁵ (log:5.25)	1.08x10 ³ (log:3.03)	C

ANTIBACTERIAL ACTIVITY (R value must be bigger than 2) = $R = (U_t - U_o) - (A_t - U_o) = 2,22$

*:Accredited analysis by TURKAK.

The result of the analysis are given above.

**:.Compliance Status:C:Conformed NC:Non Conformed NE:No Evaluation for not having limit value.

Cansu KÖLOĞLU
Microbiology Department Chief

Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

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ANALYSIS REPORT

Report No : 2049512-20
The Purpose of the Analysis : SPECIAL REQUESTS
Customer Name : ARTEKYA TEKNOLOJİ LTD.ŞTİ.
Address : TUBİTAK GEBZE YERLEŞKESİ TEKNOLOJİ SERBEST BÖLGESİ YENİ TEKNOLOJİ
BİNALARI D BLOK ZEMİN KAT GEBZE KOCAELİ

AB-0009-T

2049512-20

07-20

Sample's :
Serial-Batch/ Number :-
The location of sampling :-
Packing Shape/Type : NYLON PACKING
Quantity : 1 PACKAGE
Producing Company/Brand :-
Temperature of sample :-
Ambient/delivery temperature :-
Type : A-35
Type of Material Tested :-
Specimen Size : 5x5 cm²
Covering Film :-
Incubation condition(temperature,time) : 36°C , 0-24 hour
Inoculation volume : 0.4 ml

Date of Manufacture :-
Expiration Date :-
Date Received /Arrived : 06.07.2020
Date of analysis : 07.07.2020
Date of report : 16.07.2020

A-35" has been detected in bactericidal effect for *Escherichia coli* according to the ISO 22196 (Measurement of antibacterial activity on plastics and other non-porous surfaces).

SAMPLE ANALYSIS RESULTS*					COMPLIANCE STATUS**
Microorganism Strain No	Inoculum Density (cfu/ml)	Cell count,time '0' untreated specimens (cfu/cm ²) (Uo)	Cell count,time '24 h' untreated specimens (cfu/cm ²) (Ut)	Cell count,time '24 h' treated specimens (cfu/cm ²) (At)	
Escherichia coli ATCC 8739	2.54x10 ⁵	1.06x10 ⁴ (log:4.03)	1.76x10 ⁵ (log:5.25)	7.08x10 ² (log:2.85)	C

ANTIBACTERIAL ACTIVITY (R value must be bigger than 2) = $R = (U_t - U_o) - (A_t - U_o) = 2,4$

*:Accredited analysis by TÜRKAK.

The result of the analysis are given above.

**::Compliance Status:C:Conformed NC:Non Conformed NE:No Evaluation for not having limit value.

Cansu KOLOĞLU
Microbiology Department Chief

Yasemin AKBİYİKOĞLU
Sample Acceptance and Reporting
Department Chief

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MÜHENDİSLİK HİZ. TİC. ŞİRKETİ
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