

SKOPBİO LABORATUVARLARI LİMİTED ŞİRKETİ

EXAMINATION AND ANALYSIS REPORT

Customer Name: Kuatra Pharma Product Name: Kuatra Krem Batch Number: 001 STT: 01.2018 Manufacturer: AKS Kozmetik Kimya San. Tic. Ltd. Şti. Receipt Date: 01.03.2016 Storage: Room Temperature	Analysis Start Date: 09.03.2016 Analysis Finish Date: 11.04.2016
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LAB ID: 16030163 – Revision 01

Product Name/Definiton: **Kuatra Krem**

DESCRIPTION OF ANALYSIS: (Challenge Test- European Pharmacopoeia 5.1.3)

The content of a cosmetic sample is prepared as a standard (prepared from the corresponding microorganism strain) include the formulation of inoculation. Analysis carried out during the 28-day test is determined by the number of viable microorganisms. Calculated each time and the log reduction values for each strain and evaluation criteria of A or B is compared to the required minimum values.

ANALYSIS	ATCC	INOCULATION	DAY 0	DAY 2	DAY 7	DAY 14	DAY 28
<i>Pseudomonas aeruginosa</i>	9027	6,7x10 ⁷	6,1x10 ⁷	<10	<10	<10	<10
<i>Staphylococcus aureus</i>	6538	6,93x10 ⁸	6,1x10 ⁸	<10	<10	<10	<10
<i>Escherichia coli</i>	8739	1,4x10 ⁸	121x10 ⁸	<10	<10	<10	<10
<i>Candida albicans</i>	10231	1,6x10 ⁶	1,4x10 ⁶	<10	<10	<10	<10
<i>Aspergillus brasiliensis</i>	16404	3,9x10 ⁶	3,7x10 ⁶	2,0x10 ¹	<10	<10	<10

Unit: cfu/g.

TEST MICROORGANISMS				
<i>Pseudomonas aeruginosa</i>	<i>Staphylococcus aureus</i>	<i>Escherichia coli</i>	<i>Candida albicans</i>	<i>Aspergillus brasiliensis</i>
ATCC 9027	ATCC 6538	ATCC 8739	ATCC 10231	ATCC 16404

European Pharmacopoeia Criteria A and B Acceptance Point									
Criteria A					Criteria B				
Time	Day 2	Day 7	Day 14	Day 28	Time	Day 2	Day 7	Day 14	Day 28
Bacteria	2 log	3 log	-	NI	Bacteria	-	-	3 log	NI
Mould	-	-	2 log	NI	Mould	-	-	1 log	NI
Yeast	-	-	2 log	NI	Yeast	-	-	1 log	NI

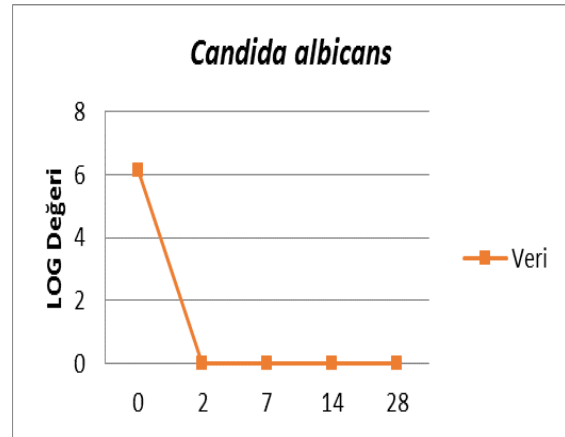
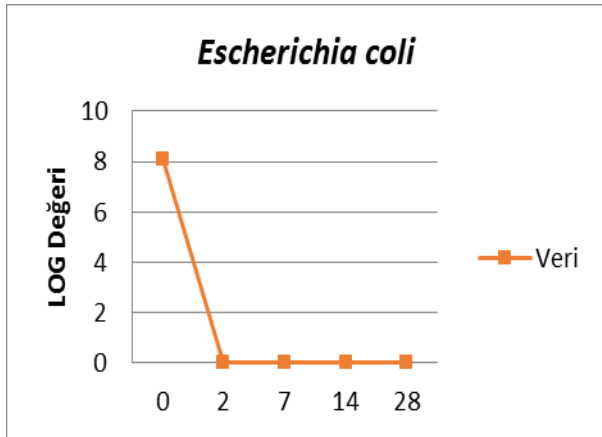
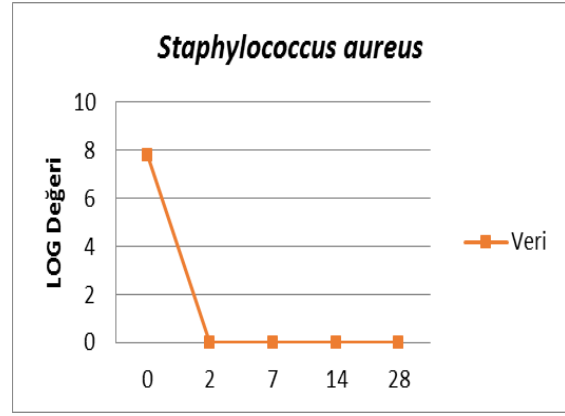
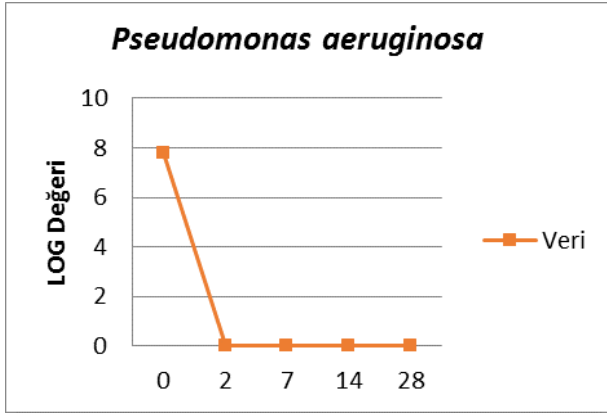
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Criteria A and B Logarithmic Decrease Chart

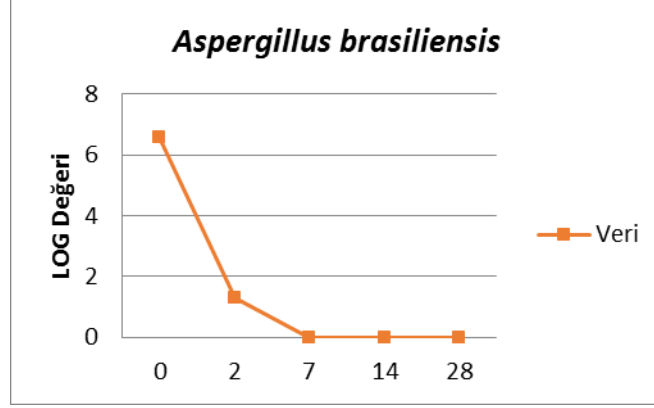
Time	Day 2	Day 7	Day 14	Day 28
<i>Pseudomonas aeruginosa</i>	NI	NI	NI	NI
<i>Staphylococcus aureus</i>	NI	NI	NI	NI
<i>Escherichia coli</i>	NI	NI	NI	NI
<i>Candida albicans</i>	NI	NI	NI	NI
<i>Aspergillus brasiliensis</i>	5,27 log	NI	NI	NI

NI: No Increase



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EXPLANATION: The product was suitable according to Criteria-A

Buket YALMAN
EXPERT
SIGNATURE

Pervin EJDER
MANAGER
SIGNATURE

CONFIRMABLE,
25.04.2017
STAMP

This report is issued by computer and is valid without signature.