

Company Name Firma Adı	AVAS KOZMETİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ		
Company Address Firma Adresi	GÖKEVLER MAH. 2331 SK. PASİAD NO. 1 D ESENYURT - İSTANBUL / TÜRKİYE		
Test Name Testin Adı	Genotoxicity Test (Mutation)		
Test Standard Test Standardı	OECD 471 (ISO 10993-3:2014) Bacterial Back Mutation Test (AMES Test)		
Commercial Brand (If You Have) Ticari Marka (Varsa)	Felix Filler		
Description of the Sample Numunenin Adı ve Tarifi	1 cc Felix Filler Dolgu		
Lot Number Lot Numarası	AVAS012023-1		
Sample Registration Number Numune Kayıt Numarası	FLXFHA/202302	Sample Acceptance Date Numune Kabul Tarihi	09.06.2023
Report Number Rapor Numarası	2023-07/BIYO/1532HA-GTMU	Date of Report Rapor Tarihi	07.07.2023
Date of Test Deney Tarihi	12.06.2023 - 23.06.2023		
Report Total Page Raporun Sayfa Sayısı	4 Page / Sayfa		

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M E D I C E R T

Test Result

Salmonella typhimurium (S.typhimurium) TA97a, S.typhimurium TA98, S.typhimurium TA100, S.typhimurium TA102 and S.typhimurium TA1535 strains recommended in OECD 471 standard were used for the experiment. The strains were incubated at 37°C for 10-15 hours in 30 ml of nutrient broth (oxoid#2) in 250 ml flasks. After incubation, measurements were made at 600 nm in the spectrophotometer and if they were in the 0.08-0.1 absorbance range, the experiment was started.

For the experiment, 5 different concentrations of the sample (**1 cc Felix Filler Dolgu Lot Number: AVAS012023-1**) extracted at 37°C for 3 days according to the recommendations of the OECD 471 standard were used (1, 1/2, 1/4, 1/8 and 1/16). Solvent control, negative and positive controls were tested in 3 replicates with each concentration.

For each repetition; 2ml of histidine-biotin supplemented semi-dissolved (at 43-48°C) ball agar was transferred to tubes and 0.1 of the sample concentration/solvent/positive control solution (mutagen)/negative control solution (phosphate buffer or sterile distilled water) to be tested on them ml; 0.1 ml and 0.5 ml of S9 mix from the bacteria whose concentrations were determined, and for the 2nd series, phosphate buffer was added instead of S9 mix, vortexed and spread on minimal glucose agar. After the agar was frozen, the petri dishes were inverted and incubated at 37°C for 2-3 days. After incubation, the number of colonies in all petri dishes were determined and statistical calculations were made. The statistical evaluation of the test results is shown in Table.1 and Table.2.

Table 1. Ames test results with enzyme activity (S9 mix added) for 1 cc Felix Filler Dolgu Lot Number: AVAS012023-1 sample

Bacteria Strains	Scoring Value	Analysis
S. typhimurium TA97a	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA98	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA100	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA102	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA1535	$p > 0,05$	Not significant (At all concentrations)

Table 2. Results of ames test without enzyme activity (Phosphate buffer added) for sample 1 cc Felix Filler Dolgu Lot Number: AVAS012023-1

Bacteria Strains	Scoring Value	Analysis
S. typhimurium TA97a	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA98	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA100	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA102	$p > 0,05$	Not significant (At all concentrations)
S. typhimurium TA1535	$p > 0,05$	Not significant (At all concentrations)

Result

The application was carried out in 3 repetitions for each concentration. Negative and positive controls and sterility control petri dishes were interpreted. No incompatibility was found in the positive and negative controls. Sterility control is successful.

As a result of the Ames test scoring, no statistically significant genotoxic effect was determined for the tested dilutions of the **1 cc Felix Filler Dolgu Lot Number: AVAS012023-1** sample.

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Laboratuvar Müdürü

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07.07.2023



M E D I C E R T