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Dipartimento di Biologia e Biotecnologie  
"Lazzaro Spallanzani"



**Parco Tecnico  
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Pavia**



**BIO BASIC LAB**  
Vitro and Microbiological Test

## EVALUATION OF ANTIMICROBIAL ACTIVITY (*Propionibacterium acnes*)

### TavTech Ltd.

### Jet Solution Functional Line Acne (Cod. JS-FN3)

Place and date of issue: MILAN – 18<sup>h</sup> March 2019

Report no. **1801N17V1**

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### SCIENTIFIC TECHNICAL COMMITTEE

#### Bio Basic Lab

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Dr. Claudio Angelinetta

Graduated in Chemistry at the University of Milan - Specialized in Cosmetic Science and Technology - University of Milan.

##### Bio Basic Lab Project Manager

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Graduated in Biological Sciences - University of Genoa

PhD in Medicine and Experimental, Molecular and Clinical Biology - Address of Biochemistry - University of Genoa

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##### Responsible for the report

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Graduated in Biological Sciences, University of Pavia

Specialized in Food Science University of Pavia

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##### Test performed in Service

Company Code: M0105

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## Aim

This test evaluates the antimicrobial activity of tested product against *Propionibacterium acnes*.

TESTED PRODUCT: Details of analysis and of tested product (ENCLOSURE A)

## Experimental protocol

20 g of product are inoculated with 200 µl of *P. Acnes* inoculum (ATCC 11827).  
After a 6 and 24 hours of contact of product tested, the sample is plated to carry out microbial counts.

# Results

## Reduction of microbial load

	<b>P.acnes</b>
Inoculo/ <i>Inoculum</i>	1,07E+05
T 6 h	<10
T 24 h	<10
Riduzione della carica microbica <i>Reduction of microbial load</i>	<b>P.acnes</b>
Rx = IgN0 - IgNx	
T 6 h	4,03
T 24 h	4,03
Riduzione della carica microbica <i>Reduction of microbial load</i> (%)	<b>P.acnes</b>
T 6 h	99,99
T 24 h	99,99

## Conclusions

The cosmetic product named:

### **Jet Solution Functional Line Acne (Cod. JS-FN3)**

**is able to completely reduce the microbial load of P. acnes  
after 6 and 24 hours of contact with the inoculum**

Quality control  
Dott. Claudio Angelinetta

## ENCLOSURE A- Details of analysis and of tested product

RECEPTION DATA OF SAMPLES Bio Basic Europe S.r.l. Date: 11/01/2019

FAULTS DISCOVERED: nothing to report

Responsible for inspection: Mr. David ANGELINETTA

TEST STARTING DATA Lab in Service: 04/03/2019

TEST ENDING DATA Lab in Service: 10/03/2019

### PRODUCT NAME

**Jet Solution Functional Line Acne (Cod. JS-FN3)**

### INCI

AQUA, BUTYLENE GLYCOL, ALOE BARBADENSIS LEAF JUICE, SEBACIC ACID, 10-HYDROXYDECANOIC ACID, 1,10-DECANEDIOL, PEG-40 HYDROGENATED CASTOR OIL, ETHOXYDIGLYCOL, GLYCERIN, PALMITOYL TRIPEPTIDE-8, PHYTIC ACID, HEPTAPEPTIDE-10, HYDROLYZED NETTLE LEAF EXTRACT, DEXTRAN, PHENOXYETHANOL, SODIUM OLEATE, GLYCINE SOJA OIL, DISODIUM EDTA, HYDROGENATED LECITHIN, POTASSIUM SORBATE, SODIUM SALICYLATE

### OTHER INFO