



RESEARCH REPORT NO. 564672/23/GDA

Principal Quantum Filip Drązkiewicz 5 Stawy Street 02 -467 Warsaw		Sample (as declared by the Principal) Sample Description: QUANTUM eyebrow pencil
Date of sample acceptance	17.10.2023	Sample condition: unqualified Sample received from the Principal
Date of study start	18.10.2023	
Date of study completion	24.10.2023	
Date of report creation	24.10.2023	

Type of test Method	Unit	Result
* Presence of Staphylococcus aureus in 1 g ⁵⁾ . PN-EN ISO 22718:2016-01; PN-EN ISO 22718:2016-01/A1:2023-01	at 1 g	Absent
* Presence of Pseudomonas aeruginosa in 1 g ⁴⁾ . PN-EN ISO 22717:2016-01; PN-EN ISO 22717:2016-01/A1:2023-03	at 1 g	Absent
* Presence of Escherichia coli in 1 g ⁶⁾ . PN-EN ISO 21150:2016-01; PN-EN ISO 21150:2016-01/A1:2023-03	at 1 g	Absent
* Presence of Candida albicans in 1 g ³⁾ . PN-EN ISO 18416:2016-01; PN-EN ISO 18416:2016-01/A1:2023-03	at 1 g	Absent
* Yeast and mold count at 25°C ²⁾ . PN-EN ISO 16212:2017-08; PN-EN ISO 16212:2017-08/A1:2023-01	cfu/g	<1,0x10 ¹
* Number of aerobic mesophilic bacteria at 32.5°C ¹⁾ . PN-EN ISO 21149:2017-07; PN-EN ISO 21149:2017-07/A1:2023-01	cfu/g	<1,0x10 ¹

- 1) Neutralizer: Eugon LT (1 g of sample to 9 ml of neutralizer) Culture medium: TSA (Tryptic Soy Agar).
Microorganism strains: Staphylococcus aureus ATCC 6538, Pseudomonas aeruginosa ATCC 9027 Size of calibrated suspension: 1 ml calibrated suspension Nv - 1.0x10³ - 3.0x10³ cfu/g.
Neutralization result: Nvw≥0.5 Nvk, where: Nvw - the number of microorganisms in the mixture of neutralizer and test sample and Nvk - the number of microorganisms in the mixture without test sample
The effectiveness of neutralization has been confirmed.
- 2) Neutralizer: Eugon LT (1 g sample to 9 ml neutralizer)
Culture medium: SDCA (Sabouraud dextrose Agar with chloramphenicol)
Microorganism strain: Candida albicans ATCC 10231
Size of calibrated suspension: 1 ml calibrated suspension Nv - 1.0x10³ - 3.0x10³ cfu/g.
Neutralization result: Nvw≥0.5 Nvk, where: Nvw - the number of microorganisms in the mixture of neutralizer and test sample and Nvk - the number of microorganisms in the mixture without test sample
The effectiveness of neutralization has been confirmed.
- 3) Neutralizer: Eugon LT (1 g sample to 9 ml neutralizer)
Culture medium: SDCA (Sabouraud dextrose Agar with chloramphenicol)
Microorganism strain: Candida albicans ATCC 10231
Size of calibrated suspension: 0.1 ml calibrated suspension Nv - 1.0x10² - 5.0x10² cfu/g
Neutralization result: microbial growth in the mixture of neutralizer and test sample with 0.1 ml of Nv microbial suspension and simultaneous absence of microbial growth in the mixture of neutralizer and test sample
The effectiveness of neutralization has been confirmed.



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- 4) Neutralizer: Eugon LT (1 g sample to 9 ml neutralizer)
Culture medium: Cetrimide Agar
Microorganism strain: *Pseudomonas aeruginosa* ATCC 9027
Size of calibrated suspension: 0.1 ml calibrated suspension Nv - 1.0×10^2 - 5.0×10^2 cfu/g
Neutralization result: microbial growth in the mixture of neutralizer and test sample with 0.1 ml of Nv microbial suspension and simultaneous absence of microbial growth in the mixture of neutralizer and test sample
The effectiveness of neutralization has been confirmed.
- 5) Neutralizer: Eugon LT (1 g sample to 9 ml neutralizer)
Culture medium: Baird Parker Agar
Microorganism strain: *Staphylococcus aureus* ATCC 6538
Size of calibrated suspension: 0.1 ml calibrated suspension Nv - 1.0×10^2 - 5.0×10^2 cfu/g
Neutralization result: microbial growth in the mixture of neutralizer and test sample with 0.1 ml of Nv microbial suspension and simultaneous absence of microbial growth in the mixture of neutralizer and test sample
The effectiveness of neutralization has been confirmed.
- 6) Neutralizer: Eugon LT (1 g sample to 9 ml neutralizer)
Culture medium: MacConkey Agar
Microorganism strain: *Escherichia coli* ATCC 8739
Size of calibrated suspension: 0.1 ml calibrated suspension Nv - 1.0×10^2 - 5.0×10^2 cfu/g
Neutralization result: microbial growth in the mixture of neutralizer and test sample with 0.1 ml of Nv microbial suspension and simultaneous absence of microbial growth in the mixture of neutralizer and test sample
The effectiveness of neutralization has been confirmed.

Authorized:

Małgorzata Wróblewska, Senior Analysis Specialist, Cosmetics Microbiology Laboratory

The test report bears the certified electronic seal of J.S. Hamilton Poland Ltd. Laboratory address:

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* Accredited test

Testing done by an outside vendor

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