

Results

| No. | Sample designation | Lot | Aerobic mesophilic count (TAMC) cfu/sample |
|-----|--------------------|-----|--------------------------------------------|
| 1   | Sample 1           | /   | 2'600                                      |
| 2   | Sample 2           | /   | 200                                        |
| 3   | Sample 3           | /   | 700                                        |
| 4   | Sample 4           | /   | 2'400                                      |
| 5   | Sample 5           | /   | 100                                        |

cfu = colony forming unit(s); n. d. = not detected

The average bacterial count of the 5 samples is 1200 cfu/sample respectively 1200 cfu/100g.

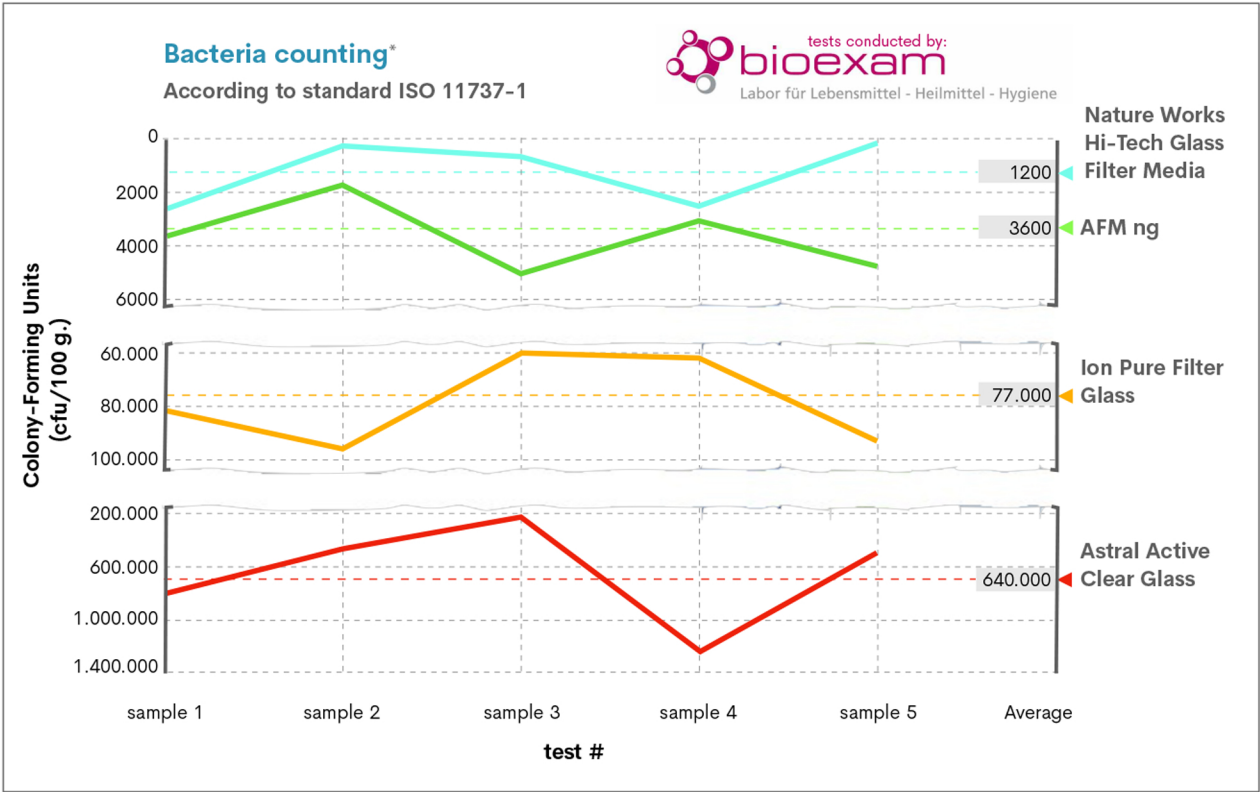
\*Conteo de bacterias realizado sobre producto nuevo de fábrica

Resultate

| Nr. | Probenbezeichnung | Charge | Aerobe, mesophile Keime (TAMC) KBE/Probe |
|-----|-------------------|--------|------------------------------------------|
| 1   | Sample 1          | /      | 3'800                                    |
| 2   | Sample 2          | /      | 1'800                                    |
| 3   | Sample 3          | /      | 4'700                                    |
| 4   | Sample 4          | /      | 3'400                                    |
| 5   | Sample 5          | /      | 4'500                                    |

KBE = koloniebildende Einheit(en); n. n. = nicht nachweisbar

The average bacterial count of the 5 samples is 3600 cfu/sample respectively 3600 cfu/100g.



Document no.: D317961

Lucerne, 11.08.2021

Chemia Brugg AG  
Mr Dushaj Vilson  
Aaraustrasse 51  
5200 Brugg AG

## Test Report

|                  |                                                 |                     |            |
|------------------|-------------------------------------------------|---------------------|------------|
| Comm. no.:       | A317961                                         | Date of test start: | 19.07.2021 |
| Date of receipt: | 25.06.2021                                      |                     |            |
| Sampling:        | Customer                                        |                     |            |
| Project:         | Nature Works Hi-Tech Glas Filter Media, Stage 1 |                     |            |

Sample type: Raw material  
Sampling date: /  
Methodology: Wash 100 g test sample with 100 ml rinsing solution for 15 min at 300 rpm on an orbital shaker. Membrane filter 50 ml of rinsing solution, place filter on an agar plate. Parallel plate out 1 ml of rinsing solution.  
Validation status: Without product-specific validation / suitability test

| Parameter                       | Unit       | Method                                              | Tolerance value | Limit value |
|---------------------------------|------------|-----------------------------------------------------|-----------------|-------------|
| Aerobic mesophilic count (TAMC) | cfu/sample | ISO 11737-1 / Ph. Eur. 2.6.12. TSA / 30-35 °C / 5 d | /               | /           |

## Results

| No. | Sample designation | Lot | Aerobic mesophilic count (TAMC)<br>cfu/sample | Interpretation |
|-----|--------------------|-----|-----------------------------------------------|----------------|
| 1   | Sample 1           | /   | 2'600                                         | /              |
| 2   | Sample 2           | /   | 200                                           | /              |
| 3   | Sample 3           | /   | 700                                           | /              |
| 4   | Sample 4           | /   | 2'400                                         | /              |
| 5   | Sample 5           | /   | 100                                           | /              |

cfu = colony forming unit(s); n. d. = not detected

The average bacterial count of the 5 samples is **1200 cfu/sample** respectively **1200 cfu/100g**.

The five samples were taken at 5 different spots of the bag showed in picture 1.



**Picture 1** Original packaging Nature works Hi-Tech Glas Filter Media

This order was carried out within the scope of GMP certification.

  
**Stefanie Kasal, Medical Doctor**  
Laboratory Manager

The reported results exclusively relate to the investigated samples, in case of sampling by the customer to the samples and the corresponding data as received. A sampling by Bioexam AG is not within the scope of accreditation. Information on analytical reliability can be obtained from the laboratory on request, for details on the applied decision rules, see [www.bioexam.ch](http://www.bioexam.ch). This report may only be copied in its entirety. Our terms and conditions apply.

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ISO/IEC 17025  
STS 0268

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GMP-zertifiziert  
FDA-registriert

Dokument-Nr.: D317959

Luzern, 11.08.2021

Chemia Brugg AG  
Herr Dushaj Vilson  
Aarauerstrasse 51  
5200 Brugg AG

## Prüfbericht

|                |                                            |                 |            |
|----------------|--------------------------------------------|-----------------|------------|
| Auftrags-Nr.:  | A317959                                    | Analysenbeginn: | 16.07.2021 |
| Eingangsdatum: | 25.06.2021                                 |                 |            |
| Probenahme:    | Auftraggeber                               |                 |            |
| Projekt:       | Dryden AFM NG Korn 2, Körnung 0.7 - 2.0 mm |                 |            |

Probentyp: Rohmaterial  
 Entnahmedatum: /  
 Verfahren: Wash 100 g test sample with 100 ml rinsing solution for 15 min at 300 rpm on an orbital shaker. Membrane filter 50 ml of rinsing solution, place filter on an agar plate. Parallel plate out 1 ml of rinsing solution.  
 Validierungsstatus: Ohne produktspezifische Validierung / Eignungsprüfung

| Parameter                      | Einheit   | Methode                                             | Toleranzwert | Grenzwert |
|--------------------------------|-----------|-----------------------------------------------------|--------------|-----------|
| Aerobe, mesophile Keime (TAMC) | KBE/Probe | ISO 11737-1 / Ph. Eur. 2.6.12. TSA / 30-35 °C / 5 d | /            | /         |

## Resultate

| Nr. | Probenbezeichnung | Charge | Aerobe, mesophile Keime (TAMC)<br>KBE/Probe | Beurteilung |
|-----|-------------------|--------|---------------------------------------------|-------------|
| 1   | Sample 1          | /      | 3'800                                       | /           |
| 2   | Sample 2          | /      | 1'800                                       | /           |
| 3   | Sample 3          | /      | 4'700                                       | /           |
| 4   | Sample 4          | /      | 3'400                                       | /           |
| 5   | Sample 5          | /      | 4'500                                       | /           |

KBE = koloniebildende Einheit(en); n. n. = nicht nachweisbar

The average bacterial count of the 5 samples is 3600 cfu/sample respectively 3600 cfu/100g.

The five samples were taken at 5 different spots of the bag showed in picture 1.



**Picture 1** Original packaging Dryden AFM NG Grade 2, 0.7-0.2 mm

Dieser Auftrag wurde im GMP-zertifizierten Bereich durchgeführt.

*S. Kasal*

Stefanie Kasal, dipl. Ärztin  
Laborleiterin

Die Resultate in diesem Bericht beziehen sich nur auf die untersuchten Muster, bei Entnahme durch den Kunden auf die Proben und die dazugehörigen Informationen wie erhalten. Eine Probenahme durch die Bioexam AG liegt nicht im akkreditierten Bereich. Angaben zur analytischen Zuverlässigkeit können im Labor erfragt werden, für Informationen über die angewendeten Entscheidungsregeln siehe [www.bioexam.ch](http://www.bioexam.ch). Der Bericht darf nur vollständig kopiert werden. Es gelten unsere allg. Geschäftsbedingungen.

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GMP-zertifiziert  
FDA-registriert

Document no.: D318459

Lucerne, 11.08.2021

Chemia Brugg AG  
Mr Dushaj Vilson  
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5200 Brugg AG

## Test Report

|                  |                        |                     |            |
|------------------|------------------------|---------------------|------------|
| Comm. no.:       | A318459                | Date of test start: | 05.08.2021 |
| Date of receipt: | 13.07.2021             |                     |            |
| Sampling:        | Customer               |                     |            |
| Project:         | ION PURE, 0.4 - 1.2 mm |                     |            |

Sample type: Raw material  
Sampling date: /  
Methodology: Wash 100 g test sample with 100 ml rinsing solution for 15 min at 300 rpm on an orbital shaker. Pour 1 ml of the rinsing solution with Tryptone-Soy Agar.  
Validation status: Without product-specific validation / suitability test

| Parameter                       | Unit       | Method                                                 | Tolerance value | Limit value |
|---------------------------------|------------|--------------------------------------------------------|-----------------|-------------|
| Aerobic mesophilic count (TAMC) | cfu/sample | ISO 11737-1 / Ph. Eur. 2.6.12.<br>TSA / 30-35 °C / 5 d | /               | /           |

## Results

| No. | Sample designation | Lot | Aerobic mesophilic count (TAMC)<br>cfu/sample | Interpretation |
|-----|--------------------|-----|-----------------------------------------------|----------------|
| 1   | Sample 1           | /   | 81'000                                        | /              |
| 2   | Sample 2           | /   | 95'000                                        | /              |
| 3   | Sample 3           | /   | 60'000                                        | /              |
| 4   | Sample 4           | /   | 62'000                                        | /              |
| 5   | Sample 5           | /   | 86'000                                        | /              |

cfu = colony forming unit(s); n. d. = not detected

The average bacterial count of the 5 samples is **77'000 cfu/sample** respectively **77'000 cfu/100g**.

The five samples were taken at 5 different spots of the bag showed in picture 1.



**Picture 1** Original packaging ION PURE 0.4-1.2 mm



Stefanie Kasal, Medical Doctor  
Laboratory Manager

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Document no.: D318458

Lucerne, 11.08.2021

Chemia Brugg AG  
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Aarauerstrasse 51  
5200 Brugg AG

## Test Report

|                  |                                 |                     |            |
|------------------|---------------------------------|---------------------|------------|
| Comm. no.:       | A318458                         | Date of test start: | 05.08.2021 |
| Date of receipt: | 13.07.2021                      |                     |            |
| Sampling:        | Customer                        |                     |            |
| Project:         | ASTRAL POOL, active clear Glass |                     |            |

Sample type: Raw material  
Sampling date: /  
Methodology: Wash 100 g test sample with 100 ml rinsing solution for 15 min at 300 rpm on an orbital shaker. Pour 1 ml of the rinsing solution with Tryptone-Soy Agar.  
Validation status: Without product-specific validation / suitability test

| Parameter                       | Unit       | Method                                                 | Tolerance value | Limit value |
|---------------------------------|------------|--------------------------------------------------------|-----------------|-------------|
| Aerobic mesophilic count (TAMC) | cfu/sample | ISO 11737-1 / Ph. Eur. 2.6.12.<br>TSA / 30-35 °C / 5 d | /               | /           |

## Results

| No. | Sample designation | Lot | Aerobic mesophilic count (TAMC)<br>cfu/sample | Interpretation |
|-----|--------------------|-----|-----------------------------------------------|----------------|
| 1   | Sample 1           | /   | 800'000                                       | /              |
| 2   | Sample 2           | /   | 430'000                                       | /              |
| 3   | Sample 3           | /   | 210'000                                       | /              |
| 4   | Sample 4           | /   | 1'200'000                                     | /              |
| 5   | Sample 5           | /   | 560'000                                       | /              |

cfu = colony forming unit(s); n. d. = not detected

The average bacterial count of the 5 samples is **640'000 cfu/sample** respectively **640'000 cfu/100g**.

The five samples were taken at 5 different spots of the bag showed in picture 1.



Picture 1 Original packaging ASTRAL POOL active clear Glass

  
Stefanie Kasal, Medical Doctor  
Laboratory Manager

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