



# CERTIFICATE FOR AWARDING AND USE OF THE 'OK BIODEGRADABLE SOIL' CONFORMITY MARK

No. TA8031702272

( Cancels and replaces the certificate No. O 17-2526-A )

Issued by TÜV AUSTRIA BELGIUM NV

## Product(s):

Domain	Products Biodegradable in SOIL
Group	Raw materials
Family	Other
Type	Cellulose Fiber
Trade mark	LENZING™ Lyocell
Description / Particularities	LENZING™ Lyocell for <u>nonwoven applications</u> : - Needlepunch / Spunlace fabrics LENZING™ Lyocell for <u>textile applications</u> : Colour : White

## Licensee:

Lenzing AG  
Werkstr. 1  
A-4860 Lenzing  
Austria

## Criteria:

- Test Program with ref OK 10 edition C "Bio-products – degradation in soil"

## Validity:

From 12 March 2018 till 19 July 2022

## Conclusions of the examination:

The products comply with the above mentioned certification criteria, as confirmed by the test report no. 09 / 60332246 / 7 06 336p.

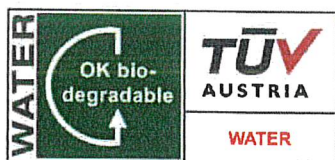
## Applicable certification system:

Type examination followed by supervision through verification tests on samples from the distributor's stocks or of the market.  
The conformity of the product is guaranteed by the procedures for awarding and use of the 'OK biodegradable SOIL' conformity mark. This only applies for specimen bearing the 'OK biodegradable SOIL' mark.

Brussels, 12 March 2018

For the Certification Committee  
Ph. DEWOLFS  
President of the Committee

Annex : /



ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서

# CERTIFICATE FOR AWARDING AND USE OF THE 'OK BIODEGRADABLE WATER' CONFORMITY MARK

## TA8041903622

Issued by TÜV AUSTRIA CERT GMBH

**Product(s):**

Domain	Products Biodegradable in WATER
Group	Raw materials
Family	Other
Type	Cellulose Fiber
Trade mark	LENZING™ Lyocell
Description / Particularities	Colour : White

**Licensee:**

**Lenzing AG**  
Werkstr. 1  
A-4860 Lenzing  
Austria

**Criteria:**

- Test Program with ref OK 11 edition C "Bio-products – degradation in water"
- Concentration of heavy metals EN 13432 Annex A table A.1

**Validity:**

From 28 June 2019 till 28 June 2024

**Conclusions of the examination:**

The products comply with the above mentioned certification criteria, as confirmed by the report no 201947 / 2019-AG-467p.

**Important remark :** As heavy metals are submitted to local regulations, it is necessary to verify that the level of heavy metals of this certified product does not exceed the concentrations admitted in the region where it is sold.

**Applicable certification system:**

Type examination followed by supervision through verification tests on samples from the distributor's stocks or of the market. The conformity of the product is guaranteed by the procedures for awarding and use of the 'OK biodegradable WATER' conformity mark. This only applies for specimen bearing the 'OK biodegradable WATER' mark.

Brussels, 28 June 2019

For the Certification Committee  
Ph. DEWOLFS  
President of the Committee

Annex : /

FM-LTC-TABE-CERT-BIO-OKW-003\_certificate\_EN  
Rev 1902

This certification was carried out according to the TÜV AUSTRIA CERT procedures for certification and is regularly monitored.  
TÜV AUSTRIA CERT GMBH | Deutschstraße 10 | A-1230 Vienna

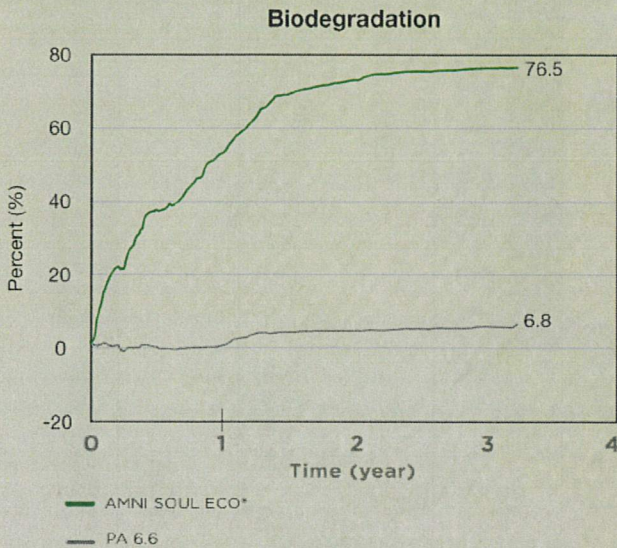
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## AMNI SOUL ECO®-PRODUCT INFORMATION

Amni Soul Eco® is a biodegradable polyamide fiber produced by Rhodia Solvay Group

### BIODEGRADATION TEST



\*Based on ASTM D5511 - Standard Test Method for Determining Anaerobic Biodegradation of Plastic Materials Under High-Solid. (1218 Days)

1- Amni Soul Eco® is biodegradable. The result of 76,5% represents the amount of Amni Soul Eco® converted into biogas, generated by the biodegradation process.

2- Cellulose (used as biodegradable reference material) achieved 87% of biogas conversion by the biodegradation process.

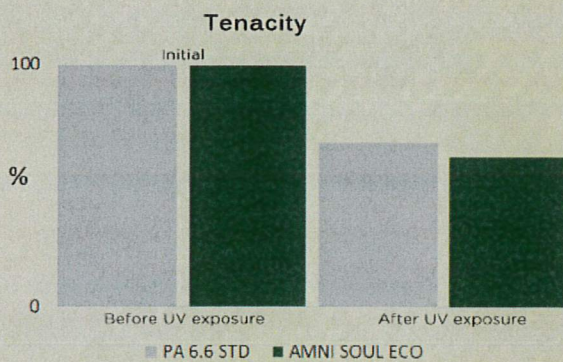
3- Any test result using ASTM D5511 material will never reach 100% of conversion into biogases, because part of the material is also converted into biomass.

4- Samples of Amni Soul Eco® were scoured, dyed and washed before starting biodegradation test.

### DURABILITY TEST

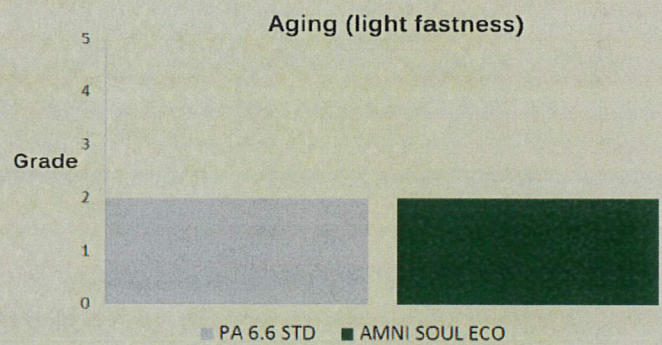
The test compares the durability between Amni Soul Eco® vs. PA6.6 Standard, showing that the physical properties and light fastness are stable even after severe exposure to ultraviolet light.

(Xenotest\*- 72h).



Conclusion: Amni Soul Eco® has excellent mechanical properties.

\*Based on ISO 105-B02 Standard



Conclusion: Amni Soul Eco® presents good UV light resistance and durability.

### TECHNICAL REQUIREMENT FOR BRAND CERTIFICATION

Textile products must meet the following requirements for brand licensing:

- More than 50% of Amni Soul Eco\*\* in the total weight composition, and less than 15% of non biodegradable materials in the total weight composition.

\*AMNI SOUL ECO® IS RECOMMENDED FOR COUNTRIES WHICH HAVE LANDFILL OR ANAEROBIC DIGESTION AS A METHOD FOR WASTE MANAGEMENT. BRAND OWNERS AND RETAILERS ARE RESPONSIBLE TO FOLLOW LOCAL WASTE POLICY AND LEGISLATION.