

FIFA LABORATORY TEST REPORT

Manual 2015

Product name	Saltex Wave 4007 PP
Product type (Field/Lines)	Field
FIFA Licensee	Saltex Oy
FIFA accredited Test Institute	Ghent University (ERCAT)
Laboratory Test report number	17-0170-04
Date of test	13.02.2017



1 – Introduction / Process Overview	3
2 – Test Object, Participants	4
2.1 Test numbers	
2.2 Test Object, Product name, Identification codes	
2.3 Parties involved, Addresses (turf manufacturer, test institute, certifying body)	
3 – Test Conclusion, Product Approval	4
4 – Product Information / Specifications	5
4.1 Overview – a typical product composition	
4.2 Artificial turf	
4.3 Performance infill	
4.4 Stabilising infill	
4.5 Shockpad / elastic layer (where applicable)	
4.6 Maintenance requirements	
5 – Detailed Laboratory Test Results	10
5.1 Overview – ball and player to surface interactions	
5.2 Product identification	
5.3 Ball / surface interaction	
5.4 Player / surface interaction	
5.5 Environmental resistance (artificial, light, water)	
5.6 Miscellaneous	
5.7 Explanatory graphs / pictures	
5.7.1 DSC (Differential Scanning Colorimetry) scans of pile yarn	
5.7.2 a) Performance infill particle grading curve	
5.7.2.b) Stabilising infill particle grading curve	
5.7.3 TGA of performance infill	
5.7.4 Unbound sub-base Composition	
5.7.5 Simulated wear, photos before / after	

Football Turf Laboratory Test Report

1 – Introduction / The Process of certification

In order to be certified, football turf fields must reach the performance and quality criteria established to be as close as possible to playing characteristics of natural grass. To this end, each field must undergo four steps as outlined below:

- a thorough composition and resilience test of the product in the laboratory (step 1)
- the installation of the product as declared, applying the outlined procedures (step 2)
- a test of the final installation for the relevant characteristics of the field as a whole system (step 3)
- if successful, certification FIFA QUALITY or FIFA QUALITY PRO field (step 4)

After expiration of the certificate, the field can be retested (step 3/4)



Fig. 1.2 Approval process steps and the related documents / parties

Legend:



This process is part of the FIFA Quality Programme for Football Turf in order to

- replicate the playing qualities of good quality natural grass,
- create a playing environment that does not increase the risk of injury to players
- achieve adequate durability (providing it is properly maintained)

For more details on *FIFA Quality Programme for Football Turf* see www.fifa.com/quality.

This document covers the complete step 1, FIFA LABORATORY TESTS REPORT. Consider:

- Tests are performed on a representative sample of the manufacturer’s sample delivered to the FIFA accredited test institutes
- The test report is only valid if reproduced in its entirety
- The results are only valid for the complete Football Turf (related product) as stated in 2.1
- The related product is eligible for undergoing a field test on a final installation.

IMPORTANT:

To reach FIFA QUALITY PRO (or QUALITY) field certification, as next steps

- the installation has to comply with the related Product Declaration / Method Statement (step 2)
- a successfully passed subsequent FIELD TEST (step 3/4)

This FIFA LABORATORY TEST REPORT may only be used in relationship to Football Turf fields that are going to be submitted for certification under the *FIFA Quality Programme of Football Turf*. Any other use of this report is a violation of the report’s copy right which is held by FIFA and breaches the terms of the FIFA Quality Programme of Football Turf licensing agreement.

Football Turf Laboratory Test Report

2 – Test Object, Participants

2.1 Test Numbers

Report Identification	Laboratory Test report number	17-0170-04
	Test Institute Project number	17-0170-04

2.2 Test Objects

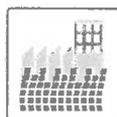


Product Name	Saltex Wave 4007 PP
Product Identification code	Greenie
Name of the synthetic turf system	Saltex Wave 4007 PP
Performance infill	SBR
Stabilising infill	Quarz sand
Shock-pad or elastic layer (if applicable)	PP
Sub-base composition	Rigid engineered Base

2.3 Participants, Addresses

Applicant

- FIFA preferred producer
- Licensee



Name	Saltex Oy		
Address	Saltex Oy, ALAJARVI		
Contact	Phone	+35865570700	email saltex@saltex.fi

FIFA accredited Test Institute

Name	Ghent University (ERCAT)		
Address	Ghent University (ERCAT), ZWIJNAARDE		
Contact	Phone	+3292645735	email ERCAT@ugent.be

3 – Test Conclusion, Product Approval

The presented Football Turf surface satisfies the FIFA LABORATORY TEST requirements of

FIFA QUALITY	Passed	«passed» or «failed»
FIFA QUALITY PRO		«passed» or «failed»

IMPORTANT: A successfully passed test of the final installation (FIFA FIELD TEST) is mandatory to obtain FIFA QUALITY / QUALITY PRO Certification!

Report originated by	Name	Stijn Rambour	
	Position	Head of artificial turf testing	
	Date	19.05.2017	
Report approved by	Name	Prof Dr. Paul Kiekens	
	Position	Director	
	Date	19.05.2017	