polytan

LigaTurf RS+ WCE CoolPlus

Test according to DIN 18035-7:2014-12 „Sports ground - Part 7: Synthetic turf systems".

Test Report No. EN-K2949

1. Client / fabricator

Polytan GmbH
Gewerbering 3
86666 Burgheim

Germany

2. Type of Test

Artificial turf surface test according to DIN 18035-7:2014-12 „Sports ground - Part 7: Synthetic turf systems", Annex B: Environmental protection recommendations.

3. Test details

3.1 Start of the test procedure: 24.05.2019
3.2 End of the test procedure: 24.06.2019
3.3 Prepared by: M. A. Matthias Schucht

4. Test Specimen

4.1 Artificial turf surface Polytan LigaTurf RS+ WCE CoolPlus
(No. of sample 2019-108)
Sample dimension:
Sample: 0.5 x 0.5 m (received 24.05.2019)

Retained samples are kept in the laboratory. The results in this test report are only according to the Prepared sample itself, as well as to the individual parts.

5. Test results*

Analysis original substance				
	Testing	Unit	Requirement	Result
Smell	organoleptic analysis			appropriate
EOX	DIN 38414 S17	mg/kg TS	≤ 100	< 2,0
Phthalate (Sum 10 compounds)	DIN 18035-7: 2014-10	mg/kg OS	-	< 10
Nonylphthalate Mixture	PA 413 / GC-MS	mg/kg	-	neg.
Decylphthalate Mixture	PA 413 / GC-MS	mg/kg	-	neg.
Chlorine Paraffins (SCCP)	AfPS GS 2014:01	mg/kg	-	< 80
Chlorine Paraffins (MCCP)	Toluol Extraktion und Erfassung mittels GC- ECD	mg/kg	-	< 80
Analyse at 24h eluate according to DIN 18035-7: 2014				
	Testing	Unit	Requirement	Results
DOC (KT) (dissolved organically bound carbon)	photometric according to Lange	mg/l	50	35
Lead	DIN EN ISO 15586 E4	µg/l	25	10
Cadmium	DIN EN ISO 15586 E4	µg/l	5	< 0,02
Chrome	DIN EN ISO 15586 E4	µg/l	50	1,5
Chrome (VI)	DIN 38405 D24	mg/l	0,008	< 0,008
Mercury	DIN EN ISO 12846	µg/l	1	< 1,0
Zinc	DIN 38406 E8	mg/l	0,50	0,04
Tin	i.A. DIN 38406 E 62	mg/l	0,04	< 0,02

* Test have been performed by the accredited chemical test laboratory „Dr. Stegemann". Test report No. 119051103 dated 24.06.2019

6. Evaluation - Assessment

The assessment was made on the basis of the requirements to DIN 18035-7:2014-12 „Sports ground - Part 7: Synthetic turf systems", Annex B: Environmental protection recommendations.

The test results of the tested artificial turf system correspond with the applicable standard to DIN 18035-7:2014-12 „Sports ground - Part 7: Synthetic turf systems", Annex B: Environmental protection recommendations.

The test results exclusively relate to the test specimen.

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Datet:

Osnabrück, June 24th 2019

Dipl.-Ing. O. Schneider
Managing Director

DAkkS
Deutsche
Akkreditierungsstelle
D-PL-18702-01-00

Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflabor. Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren.

Matthias Schucht M.A.
Test Engineer

Validity has only the German test report No. K2949