

Customer:  
 Contact person:  
 EFBe Date of Order:  
 Fax-No.:

Lagear ENT CO LTD  
 Robert Z Liu  
 2012-08-09  
 +886 4 25 39 19 73

Landabsatz 25, D-45731 Waltrop  
 tel + 49 (0) 2309 78407-0 fax -10  
 info@efbe.de www.efbe.de

**Testreport**  
 Maximum load + Overload test  
 Bicycle seat post  
 Test item no. 123979

**Test sample data**

Manufacturer:	Lagear
Model name:	SPC 11
Identity no.:	None
Suspension:	None
Coating:	Yes
Total weight (g):	240
Application:	Race
Total length (mm)	350
Diameter (mm)	30,8
Clamping torque (Nm)	6
Insertion depth (mm)	90
Remarks	None

**Test description** (SÜF2)

**Maximum-/overload test seat post EFBe (SÜF2)**

The **Test set-up** is corresponding to EN 14781, 4.14.7 for **racine bikes**. The seat post mounting angle is constantly 70 degree instead of 73. The pneumatic test load is controlled via the cylinder pressure using a precision pressure gauge. The measuring error is +/-3 %, the duration of load input is 10 s for maximum load and 1 s for overload. The **requirements** are following EFBe recommendations for a permissible total weight of 110 kg:

**A Maximum load test**

Load 1:	2 200 N
max. perm.deformation:	10 mm
Fracture behavior:	no crack / fracture

**B Overload test**

Load 2:	3 000 N
Fracture behavior:	no brittle fracture

**Test result:**

**A Maximum load test:**

Test load 1:	2200 N
Permanent deformation:	1.4 mm
Crack or fracture:	No

**B Overload test:**

Test load 2:	3000 N
Crack/fracture/deform.:	Yes
Brittle fracture:	No

**The Maximum load test was passed.**

**The Overload test was passed.**

**Remarks:** For preceded tests please see testreport No. P1206037.

Test engineer: i.A. V. Stobberg  
 End of testing: 2012-08-14

Waltrop 2012-08-24 .....  
 stamp, sign

This test report may not be reproduced but with complete wording. It contains the result of a one-time type testing and no statements about quality of serial production components are made. Readings of dimensions, torques and weights without engagement.

**Caution!**  
**Fatigue tested parts cannot be used further on.**  
**Acute danger of fracture!**