

Testing of Ice Picks

Test item(s): **Rapala Ice Claws**

Type: **Device used for rescuing from hole in the ice**

Customer: **KL Teho Oy
Tehotie 1-4
41800 Korpilahti
Finland**

Applied method(s): **In-house methods according to P-CRS-PPE-131 work instruction of SGS**


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1. Description and identification of test items

Following sample(s) were submitted and identified by the customer as:

Tested item(s): Rapala Ice Claws

Material description: Plastic handle, steel spike in rectangular shape and neck strap

Following features were observed by a testing engineer of SGS Fimko:



Picture of Rapala Ice Claws

2. Scope of testing

Testing date(s): 2024-10-02 – 2024-10-04

Tests were performed at the PPE laboratory of SGS Fimko Oy under accreditation scope.

Following tests were requested by the customer:

Requirement	According in house method P-CRS-PPE-131
Practical performance	8.1
Strength test	8.2

2.1 Sampling and conditioning

Receiving date: 2024-09-09

Condition: Intact

Sampling method: The customer supplied all ice spike samples.

Conditioning: Samples were conditioned at least 24 hours in an atmosphere having a temperature of (20 ± 2) °C and a relative humidity of (65 ± 5) % before testing, unless otherwise stated.

3. Test results

3.1 Practical performance tests by subjects (two test subjects)

Test	Evaluation (Fail, Average or Good)		Pass /fail criterion. Average to Good	Pass/Fail
	Test subject 1	Test subject 2		
Opening in cold	Good	Good		Pass

3.2 Strength test

Measuring device: Lloyd LR 10 K tensile testing machine equipped with 2,5 kN force transducer

Test	Result	Minimum requirement	Pass/ Fail
The strength of the spike in perpendicular direction	777 N *	650 N	Pass

*Average value of three measurements

4. Summary

The product **pass to meet** the requirements of In-house methods of P-CRS-PPE-131 in one part of the practical performance test (opening in cold) and in strength test (the strength of the spike in perpendicular direction).

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration. The relevant uncertainty value is obtainable upon request from the laboratory.

End of test report