

TRECK S.A.
SANTA ROSA # 5220, SAN JOAQUIN, SANTIAGO, CHILE

THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO. SL518051917458TX DATE: Mar 13, 2018 ISSUED BY SGS (SHANGHAI)

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : Women's garment: 100% polyester in grey/black
 Style No. : PARKA ABSOLUTE ZERO Z-9100 T
 ITEM CODE : 12-06-015-T
 Buyer : TRECK S.A.
 Order No. : M17053/IMP4034-AS
 Country of Destination : Chile
 Proposed Care Instruction :



Test Performed : Selected test(s) as requested by applicant
 * * * * *

Sample Receiving Date : Jan 22, 2018
 Testing Period : Jan 24, 2018 - Mar 13, 2018
 Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. For further details, please refer to the following page(s).

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co. Ltd

Hattie Chen

Hattie Chen
 Account Executive



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Test Result

EN 14058:2017 Protective clothing – Ensembles and garments for protection against cool environments.

Clause 4.6 Resultant effective thermal insulation, I_{cler}

Samples for testing in accordance with EN ISO 15831:2004 were conditioned in an atmosphere of $10 \pm 2^\circ\text{C}$ and $50 \pm 5\%$ Relative Humidity for at least 12 hours prior to testing.

The effective thermal insulation (I_{cle}) and resultant effective thermal insulation (I_{cler}) were measured in accordance with EN 14058 (EN ISO 15831). Clothing was measured at an operative temperature of 10°C . Humidity inside the chamber during the measurements was 50% R.H. Air velocities around the manikin were 0.4 m/s. Surface temperature of the manikin was $34 \pm 0.5^\circ\text{C}$.

The total insulation I_{cle} given in the following table is an average value of two independent measurements of the clothing ensemble with standard reference clothing R (underwear with long sleeves and legs, shirt, socks, felt slippers, *jacket05*, trousers, knitted gloves, balaclava) where the reference *jacket05* was replaced on tested garment.

Tested: After 5 washes (EN ISO 6330:2012; Washing program No. 4N; Using horizontal axis, front-loading type machine: Machine wash at 40 degree C, with 2kg total dry mass (type III (100% polyester) ballast+ specimen) and ECE detergent+ Sodium Perborate+ TAED, line dry.)

Complete clothing ensemble	Resultant effective thermal insulation I_{cler}	
	[$\text{m}^2\text{K/W}$]	[clo]
Jacket (PPE249530) + Reference clothing R	0.202	1.3

Resultant effective insulation values of the clothing ensembles I_{cle} was calculated according to the parallel method as in EN ISO 15831:2004.

Result Summary

Test	Requirement	Results
Thermal insulation with reference clothing R. (standard underwear B)	EN 14058:2017, 4.6 $I_{cler} \geq 0.174 \text{ m}^2\text{K/W}$ $I_{cler} < 0.265 \text{ m}^2\text{K/W}$	The tested garments meet the requirement.

The test was carried out by SGS UK textile laboratory.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSL Standards Technical Services (Shanghai) Co., Ltd. 3rd Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

Sample Photo



*** End of Report ***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com