

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

THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO. SL518052036481TX DATE: Mar 27, 2018 ISSUED BY SGS (SHANGHAI)

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

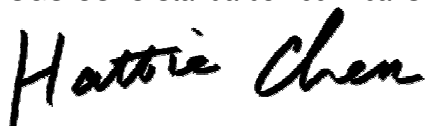
Sample Description : Men's garment: 100% nylon in blue (Parka absolute zero hombre 3 en 1 azul Z-9500 T)
Style No. : 12-06-024-T
Buyer : TRECK S.A.
Order No. : M17058
Country of Destination : Chile

Proposed Care Instruction : 

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

Sample Receiving Date : Feb 26, 2018
Testing Period : Feb 27, 2018 - Mar 27, 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
Account Executive



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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

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:

inner

After 5 washes

EN ISO 6330:2012; Washing program No. 3N; Using horizontal axis, front-loading type machine: Machine wash at 30 degree C, with 2kg total dry mass (type III (100% polyester) ballast+ specimen) and 'ECE(A)' detergent+ Sodium Perborate+ TAED, line dry.

Outer

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(A)' 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	0.231	1.5

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.



Sample Photo



*** End of Report ***

