

BRBEN TEKSTIL SAN VE TIC AS
2.OSB 83207 NOLU CD NO 2/10 SEHITKAMIL GAZIANTEP TURKEY

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

Sample Description : (A)Protective clothing

Sample Color : (A)white

Style No. : BRTLM-001

Proposed Care Instruction : -

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

Sample Receiving Date : Jun 17, 2022, Jul 07, 2022

Testing Period : Jul 07, 2022 - Jul 20, 2022

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).

Comment

	EN ISO 13982-1:2004+A1:2010 (Type 5)	EN 13034:2005+A1:2009 (Type 6)
Whole Suits Testing	Pass	Pass

Remark: Pass = Meet Relative Standard Requirement

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

Sara Guo (Account Executive)

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Test Result

Personal Protective Equipment - Protective Clothing for Use against Solid Particulates - Part 1: (Type 5)

EN ISO 13982-1:2004/A1:2010

Clause 4.3 Performance Requirements for Whole Suits-Types 5 (Inward Leakage Test)

(EN ISO 13982-1:2004/A1:2010, 4.3; General design: Type 5 clothing is of the “full-body” type, i.e. it provides protection to at least the trunk, arms and legs, and consists of a one-piece coverall or a two-piece suits. Head protection, e.g. a hood with visor, and/or foot protection may be worn additionally.)

A	Unit	Test subject 1-Suit 1	Test subject 1-Suit 2	Test subject 2-Suit 1	Test subject 2-Suit 2
<u>As Received</u>					
Assessment after Movements	No Unit	Pass	Pass	Pass	Pass
Lij11	%	3.5	3.4	3.4	3.4
Lij12	%	3.6	3.4	4.2	3.8
Lij13	%	3.8	3.5	3.7	3.9
Lij21	%	3.8	3.9	4.1	4.3
Lij22	%	3.6	3.6	4.5	4.2
Lij23	%	4.3	4.5	3.7	3.7
Lij31	%	4.4	4.3	4.2	4.4
Lij32	%	4.3	5.0	4.5	4.4
Lij33	%	4.8	4.6	4.2	4.7
Lsij	%	4.0	4.0	4.1	4.1

A	Unit	Test subject 3-Suit 1	Test subject 3-Suit 2	Test subject 4-Suit 1	Test subject 4-Suit 2
<u>As Received</u>					
Assessment after Movements	No Unit	Pass	Pass	Pass	Pass
Lij11	%	3.8	3.3	3.4	3.4
Lij12	%	4.1	3.3	4.1	3.4
Lij13	%	4.0	4.0	3.8	3.3
Lij21	%	3.7	3.8	4.5	3.5
Lij22	%	4.2	3.7	3.8	4.5
Lij23	%	4.3	4.3	4.3	4.5
Lij31	%	4.2	5.0	5.0	4.5
Lij32	%	4.1	4.9	4.5	4.7
Lij33	%	4.7	4.3	4.3	4.5
Lsij	%	4.1	4.1	4.2	4.0

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A	Unit	Test subject 5-Suit 1	Test subject 5-Suit 2
<u>As Received</u>			
Assessment after Movements	No Unit	Pass	Pass
Lij11	%	3.6	3.3
Lij12	%	4.1	3.5
Lij13	%	3.7	4.0
Lij21	%	4.4	4.1
Lij22	%	4.2	3.6
Lij23	%	3.6	3.8
Lij31	%	4.4	4.7
Lij32	%	4.7	4.0
Lij33	%	4.9	4.9
Lsij	%	4.2	4.0

Conclusion: Ljmn,82/90: Pass LS,8/10 : Pass

Underwear: cotton long trousers and a T-shirt with long sleeves

Test chamber: Temperature: (20±5) °C , RH: <60%

Suit size:L

Body dimension of tested subject 1- Height: 175 cm, Chest girth: 102 cm;

Body dimension of tested subject 2- Height: 178 cm, Chest girth: 105 cm;

Body dimension of tested subject 3- Height: 178 cm, Chest girth: 102 cm;

Body dimension of tested subject 4- Height: 180 cm, Chest girth: 105 cm;

Body dimension of tested subject 5- Height: 180 cm, Chest girth: 106 cm;

Remark:

1. Prior to testing each suit in accordance with EN ISO 13982-2, a sequence of three movements shall be carried out by a human test subject. The test shall comprise three repetitions of the "three movements" sequence. If the test subject is not able to perform one or several movements due to the hindrance of the suit or if the movements result in substantial damage to the suit, the suit shall be considered to have failed.
2. When tested accordance with EN ISO 13982-2, the type 5 protective clothing shall be characterized by the following parameters:

Ljmn,82/90: the inward leakage value, expressed in percent, corresponding to the 82nd L value of 90, i.e., the inward leakage values measured over all exercises, all sampling positions, all suits and sorted in ascending order;

LS,8/10 : the "total inward leakage per suit" value, corresponding to the 8th Ls value of 10, i.e., the Ls values of all suits sorted in ascending order.

Type 5 chemical protective clothing shall meet at least the following requirements:

Ljmn,82/90 ≤30% ;

LS,8/10 ≤15%

3. Lijmn: inward leakage for a given test subject(i), suit(j), exercise(m) and sampling position(n).

Exercise(m): 1-standing still, 2-walking, 3-squatting

Sample position(n): 1-knee, 2-waist back, 3-chest



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Personal Protective Equipment - Protective Clothing Against Liquid Chemicals - Limited Protective Performance (Type 6 and Type PB [6])

EN 13034:2005+A1:2009

Clause 5 Performance Requirements for Whole Suit-Type 6 (Mist Test)

(EN 13034:2005+A1:2009, Clause 5; General design: There are no features which may collect liquid chemicals and hold them onto the fabric surface.)

A	No. 1	No. 2	No. 3
<u>As Received</u>			
After Seven Movements	Pass	Pass	Pass
Calibrated Stain Area(cm ²)	3.59	3.59	3.59
Total Stain Area on Undergarment(cm ²)	0	0	0
Final Assessment for Whole Suit	Pass	Pass	Pass

Absorbent overall: Water absorbent nonwovens

Suit size: L

Body dimension of tested subject- Zhu

Height: 175 cm, Chest girth: 102 cm

Remark:

1. Prior to testing protective suits in accordance with a variant of EN ISO 17491-4 method A low-level spray test a sequence of seven movements shall be carried out by a human test subject. The test shall comprise three repetitions of the "seven movements" sequence. If the test subject is not able to perform the test due to the hindrance of the suit or if the test results in substantial damage to the suit, the suit will be considered to have failed.
2. All chemical protective suits shall pass the test, i.e. there shall be no penetration of any suit, i.e. the total stain area on the undergarment shall be less than or equal to three times the total calibrated stain area.



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Sample Photo



Face

Back

Product information is provided by applicant without verification or authentication of the brand.

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.

End of Report



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