

TEST REPORT

Job No./Report No TR1974246-RV1

Date: 23 August 2021 Page 1 of 6

DEXXON ENERJI SAN VE TIC A S

YENIBOSNA MERKEZ MAH 29 EKIM CAD NO 3 IC KAPI NO 84 BAHCELIEVLER

TEL: 05332820406

To the attention of Hulusi Güven

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

Sample No.	Sample Description
A	DISPOSABLE COVERALL

Client's reference No. : TR 1974246-RV1
Manufacturer : DEXXON ENERJI
Model/Style No. : DXNMD-DCVR456
Type : 4-B/ 5- B/ 6-B
Brand : DEXXON MEDICAL
Colour : White
Country of Destination : US, UK, EU
Sample Receiving Date : 06 August 2021
Resubmit Date : 23 August 2021
Test Performing Period : 06 August 2021~19 August 2021
Overall Conclusion : **SEE RESULTS**

Test Results : Please refer to the next page(s).
Performed Test Summary: Selected test(s) as requested by client against Client's performance standard.

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SGS applied shared risk decision rule.
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Test Parameters	Result
Physical tests	A
Protective Clothing Against Radioactive Contamination-Part2: Requirements and Test Methods for Non-Ventilated Protective Clothing against Particulate Radioactive Contamination	*



Remarks	M = Meets client's requirement
	F = Does not meet client's requirement
	I = Inconclusive
	* = No specified requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).
	Residual sample can be returned to client if requested.

The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

IN THIS REVISED-1 REPORT, SAMPLE DESCRIPTION WAS CHANGED AND MODEL/STYLE NO,TYPE WERE ADDED BY THE REQUEST OF THE APPLICANT.

THIS REPORT SUPERSEDES OUR REPORT NO: 1974246 DATED 19.08.2021

Mert Kurtuluş Customer Services Supervisor	Bora Şirinbilek Hardline & CPCH Testing Services Manager
	

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Test Results

**EN 1073-2 : 2002 Protective clothing against radioactive contamination
Requirements and test methods for non-ventilated protective clothing against particulate
radioactive contamination**

EN 1073-2: 2002	Inward leakage test non-ventilated protective clothing against particulate radioactive contamination*	Class 1 of 3, NPF = 35 TILA = 2.8 % TILE = 3.9 %
Recommended class	Class 1	
Remark: Classification of nominal protection factor for the materials : Class 1 NPF> 5 ; Class 2 NPF> 50 ; Class 3 NPF >500		

* Test performed with wrist ,cuffs, ankles and hood taped to ancillary PPE with the storm flap closed and sealed. TILE highest reading (inward leakage) from the 3 exercises.

EN 1073-2:2002	Class 1
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Protective Clothing Against Radioactive Contamination-Part 2: Requirements and Test Methods for Non-Ventilated Protective Clothing against Particulate Radioactive Contamination

EN 1073-2:2002

Section-1-Clause 4.2 Materials

Clause 4.2 Abrasion Resistance

(EN 530:2010 Method 2; Martindale Wear & Abrasion Tester: 9kPa Pressure, Grade No. 00 abrasion paper)

	# 1	# 2	# 3	# 4	Min.
Endpoints (cycles)	18	15	26	20	15
Recommended class	Class 1				
Remark: Classification of abrasion resistance for the materials: Class 1 >10cycles; Class 2 >100cycles; Class 3 >500cycles; Class 4 >1000cycles; Class 5 >1500cycles; Class 6 >2000cycles.					

Clause 4.2 Puncture Resistance

(EN 863:1995)

Puncture Resistance (N)	1#	2#	3#	4#	Min.
	6	6	7	6	6

Recommended class No classification

Remark:

Classification of puncture resistance for the materials: Class 2 >10N; Class 3 >50N; Class 4 >100N.

Clause 4.2 Resistance to Blocking

(EN 25978 :1993)

Test Condition : Test specimen was under 5.0 kg load and expose to the temperature of 70±2 °C for 3 hours.

Sample :A

	Back to back	Face to face	Back to face
Rate of the blocking resistance	No blocking	No blocking	No blocking
Recommended class	Class 2		
Remark: Classification of resistance to blocking for the materials: Class 1 -Blocking, Class 2 -No blocking.			

**This test has been performed as subcontracted at SGS SHANGHAI.

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Clause 4.2 Tear Resistance (EN ISO 9073-4:1997)

	1#	2#	3#	4#	5#	Min.
Warp yarns torn (N)	44	49	43	44	39	39
Weft yarns torn (N)	13	16	15	16	14	13

Recommended class Class 2

Remark:

Classification of tear resistance for materials: Class 1 >2N; Class 2 >10N; Class 3 >20N; Class 4 >40N; Class 5 >80N; Class 6 >150N.

Clause 4.2 Resistance to Ignition

(EN 13274-4: 2001 Method 3, Flame temperature 800±50°C with a speed of (60±5) mm/s, gas used: Propane)

(A)

As received

	Length direction			Cross direction		
	# 1	# 2	# 3	# 1	# 2	# 3
Continue to burn	N	N	N	N	N	N
Conclusion	Pass					

Remark: Y: yes; N: no

Requirement: Not continue to burn

Clause 4.4.1 Seam Strength

(EN ISO 13934-2:2014 Modified)

	# 1	# 2	# 3	Average
Side Seam (N)	57(F.R)	71(F.R)	68(F.R)	66(F.R)
Sleeve Seam (N)	103(F.R)	98(F.R)	100(F.R)	100(F.R)
Inside Seam (N)	57(F.R)	57(F.R)	61(F.R)	59(F.R)
Backrise Seam (N)	66(F.T.S)	59(F.T.S)	69(F.T.S)	65(F.T.S)
Crotch Seam (N)	92(F.T.S)	119(F.T.S)	113(F.T.S)	108(F.T.S)

Recommended class Class 2

Notes F.R. = Fabric Rupture; F.T.S.= Fabric Tear at Seam

Remark:

Classification of seam strength: Class 1 >30N; Class 2 >50N; Class 3 >75N; Class 4 >125N; Class 5 >300N.

Sample Photo



Face

Back

End of Report

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