

Sample Photo



TEST REPORT
检测检验报告

Number: GZHT02603571-S1
报告号

Applicant: SAVEWO LIMITED
委托单位:
Address: 1/F 266-270 TEXACO ROAD TSUEN WAN
地址:
Attn: ZEN DING
联系人

Date: Jul 27, 2022
日期:
THIS IS TO SUPERSEDE REPORT NO.
GZHT02603571 DATED Jul 25, 2022

Sample Description:

One (1) Group (100 Pieces) Of Submitted Sample Said To Be SAVEWO 3DMASK In White.

样品描述 样品数量: 1组(100个)
样品规格: 客户认定为口罩, 白色。

Date Received : 2022-07-18
接收日期
Date Tests Started : 2022-07-18
测试开始日期
Document Accordance : GB 2626-2019 《呼吸防护 自吸过滤式防颗粒物呼吸器》
判定依据 随弃式面罩
KN 95
Remark : -
备注

批准:
Approved by:

高级经理
Sr. Manager

NICOLE/fannieyao



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Conclusion:
结论

Appearance Assessment(外观评定)	M
Tensile Strength Of Head Harness(头带拉力)	M
Field Of Vision(视野)	M
Inward Leakage(泄漏性)	M
Exhalation Resistance(呼气阻力)	M
Inhalation Resistance(吸气阻力)	M
NaCl Particles Filter Efficiency(NaCl 颗粒物过滤效率)	M
Dead Space(死腔)	M
Flammability Test(可燃性)	M

Note: M = Meet Standard's Requirement F = Below Standard's Requirement
C = Conform To The Declared Fibre Content * = See Remark
= No Comment N/A = Not Applicable

备注: M = 符合标准要求 F = 不符合标准要求
C = 符合公告的成分内容 * = 看注解
= 无评语 N/A = 不适用

Test Conducted: 1.As Requested By The Applicant, For Details Refer To Attached Page (S)
测试内容: 以下测试依据申请人所要求进行,具体内容参见附页

2.All the tested item are tested under the standard condition (except for indication).
本报告中检测项目均在相应标准规定的环境条件下进行(有注明的除外)。

Remark: 1.The Chinese version of this test report is the standard one; the English version is only for reference.
备注: 此报告以中文为主英文仅作参考。

2.The report is valid with commission test only for the test samples in the case of delivering samples by clients. No copy test report is valid without original special stamp of the test body.
检验仅对检测样负责,复印件未重新加盖红色检验专用章无效。

批准:
Approved by:


高级经理
Sr. Manager

NICOLE/fannieyao



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1 Appearance Assessment (GB 2626-2019 Clause 6.1):
外观评定 (GB 2626-2019 第 6.1 条):

Appearance Checking As received
来样外观检查

Requirement 要求 =====	Complying 符合 =====	Uncomplying 不符合 =====
No Breakage, Deformation And Other Noticeable Defects On Surface 样品表面不应破损、变形和有明显的其他缺陷	√	

Remark: √ = Complying X = Uncomplying
备注: √ = 符合 X = 不符合

Exclude the Product Label And All the Information Provided by the Manufacturer.
未包含产品标识和制造商所提供的各种信息的检查

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2 Tensile Strength Of Head Harness (GB 2626-2019, Clause 6.11)
头带拉力 (GB 2626-2019, 第 6.11 条)

Preconditioning

预处理:

After the sample is taken out of the original package, the sample is pretreated according to the following sequence conditioning.

将样品从原包装中取出, 按如下条件顺序进行样品预处理:

- a) Place in environment of $(38 \pm 2.5)^\circ\text{C}$ and $(85 \pm 5)\%$ relative humidity for (24 ± 1) hours.
在 $(38\pm 2.5)^\circ\text{C}$ 和 $(85\pm 5)\%$ 相对湿度环境中放置 (24 ± 1) 小时。
- b) Then place in a dry environment of $(70 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(70\pm 3)^\circ\text{C}$ 干燥环境中放置 (24 ± 1) 小时。
- c) Then place in an environment of $(-30\pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(-30\pm 3)^\circ\text{C}$ 环境中放置 (24 ± 1) 小时。

After the sample temperature is restored to room temperature for at least 4 hours, the subsequent test shall be carried out.

使样品温度恢复至室温后至少 4 小时, 再进行后续检测。

	Individual Reading 单值		Requirement 要求 =====
	As Received 原样	After Pretreatment 预处理后	*
At Up Left 左上	#	#	
At Up Right 右上	#	#	
At Low Left 左下	#	#	
At Low Right 右下	#	#	

* = 10 N for 10 seconds and no detachment or breakage
保持 10 N 力值 10 秒, 无滑脱或断裂

= Passed with 10 N for 10 seconds and no detachment or breakage
保持 10 N 力值 10 秒, 无滑脱或断裂

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3 Field Of Vision (GB 2890-2009, Clause 6.8)
视野 (GB 2890-2009, 第 6.8 条)

		Requirement 要求
Field of Vision Under Mask 口罩下方视野	62.2°	===== ≥ 35°
Field Vision of Eyes 双目视野	95.7%	≥ 65%

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4 Inward Leakage (GB 2626-2019, Clause 6.4)
泄漏性 (GB 2626-2019, 第 6.4 条)

Total inward leakage 总泄漏性							
Subjects 实验者		TIL _{exercise} 动作泄漏率(%)					TIL _{wearer} 实验者泄漏率 (%)
		1)	2)	3)	4)	5)	
A.R. 未处理样	#1	3.2	6.3	3.9	6.8	2.9	4.6
	#2	4.9	6.5	6.0	6.5	4.6	5.7
	#3	3.5	4.9	3.8	6.0	2.8	4.2
	#4	4.9	7.3	6.8	8.4	3.6	6.2
	#5	6.9	7.7	7.3	8.8	5.3	7.2
T.C. 预处理样	#6	3.3	7.8	6.5	7.9	3.0	5.7
	#7	3.3	7.4	6.9	9.3	3.1	6.0
	#8	2.2	4.1	3.8	4.4	1.5	3.2
	#9	2.7	5.7	4.6	7.7	2.7	4.7
	#10	0.6	3.7	2.0	4.7	0.4	2.3

Preconditioning

预处理:

After the sample is taken out of the original package, the sample is pretreated according to the following sequence conditioning.

将样品从原包装中取出, 按如下条件顺序进行样品预处理:

- a) Place in environment of $(38 \pm 2.5)^\circ\text{C}$ and $(85 \pm 5)\%$ relative humidity for (24 ± 1) hours.
在 $(38\pm 2.5)^\circ\text{C}$ 和 $(85\pm 5)\%$ 相对湿度环境中放置 (24 ± 1) 小时。
- b) Then place in a dry environment of $(70 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(70\pm 3)^\circ\text{C}$ 干燥环境中放置 (24 ± 1) 小时。
- c) Then place in an environment of $(-30\pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(-30\pm 3)^\circ\text{C}$ 环境中放置 (24 ± 1) 小时。

After the sample temperature is restored to room temperature for at least 4 hours, the subsequent test shall be carried out.

使样品温度恢复至室温后至少 4 小时, 再进行后续检测。

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Remark:

说明

- 1). without head movement or talking, 2 min;
头部静止, 不说话, 2 分钟
- 2). turning head from side to side (approx. 15 times), as if inspecting the walls of a tunnel for 2 min;
左右转动头部, 看检测仓左右壁 (大约 15 次), 2 分钟
- 3). moving the head up and down (approx. 15 times), as if inspecting the roof and floor for 2 min;
抬头和低头看检测仓顶和地面 (大约 15 次), 2 分钟
- 4). reciting the alphabet or an agreed text out loud as if communicating with a colleague for 2 min;
大声阅读一段文字 (数字) 或大声说话, 2 分钟
- 5). without head movement or talking, 2 min.
头部静止, 不说话, 2 分钟

Item 项目	Requirement 要求	Pass Result 符合的结果	Comment (Pass/Fail) 结论(符合/不符合)
Individual exercise 动作泄漏率的个数 ($TIL_{exercise} < 11\%$)	≥ 46	50	Pass 符合
Individual wearer 实验者泄漏率的人数 ($TIL_{wearer} < 8\%$)	≥ 8	10	Pass 符合

Remark: Test Item Is Accredited By CMA and CNAS, Is Subcontracted On Accreditation By CMA code 202119011139 and CNAS code L1842)
备注: 测试项目为已获资质认定认可的分包项目, 分包至具有资质认定能力的检验检测机构 (CMA 编号 202119011139 和 CNAS 编号:L1842)

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5 Exhalation Resistance (GB 2626 – 2019, Clause 6.6)
呼气阻力 (GB 2626 – 2019, 第 6.6 条)

	Requirement 要求
Exhalation Resistance 呼气阻力 (Pa)	≤ 210 Pa
As Received 来样	
Specimen 1 样品 1	108.2 Pa
Specimen 2 样品 2	103.7 Pa

	Requirement 要求
Exhalation Resistance 呼气阻力 (Pa)	≤ 210 Pa
After Temperature and Humidity Pretreatment 温湿度预处理后	
Specimen 1 样品 1	104.0 Pa
Specimen 2 样品 2	102.9 Pa

Preconditioning

预处理:

After the sample is taken out of the original package, the sample is pretreated according to the following sequence conditioning.

将样品从原包装中取出, 按如下条件顺序进行样品预处理:

- Place in environment of $(38 \pm 2.5)^\circ\text{C}$ and $(85 \pm 5)\%$ relative humidity for (24 ± 1) hours.
在 $(38 \pm 2.5)^\circ\text{C}$ 和 $(85 \pm 5)\%$ 相对湿度环境中放置 (24 ± 1) 小时。
- Then place in a dry environment of $(70 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(70 \pm 3)^\circ\text{C}$ 干燥环境中放置 (24 ± 1) 小时。
- Then place in an environment of $(-30 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(-30 \pm 3)^\circ\text{C}$ 环境中放置 (24 ± 1) 小时。

After the sample temperature is restored to room temperature for at least 4 hours, the subsequent test shall be carried out.

使样品温度恢复至室温后至少 4 小时, 再进行后续检测。

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6 Inhalation Resistance (GB 2626 – 2019, Clause 6.5)
吸气阻力 (GB 2626 – 2019, 第 6.5 条)

	Requirement 要求
Inhalation Resistance 吸气阻力 (Pa)	≤ 210 Pa
As Received 来样	
Specimen 1 样品 1	115.6 Pa
Specimen 2 样品 2	118.9 Pa

	Requirement 要求
Inhalation Resistance 吸气阻力 (Pa)	≤ 210 Pa
After Temperature and Humidity Pretreatment 温湿度预处理后	
Specimen 1 样品 1	106.4 Pa
Specimen 2 样品 2	102.3 Pa

Preconditioning

预处理:

After the sample is taken out of the original package, the sample is pretreated according to the following sequence conditioning.

将样品从原包装中取出, 按如下条件顺序进行样品预处理:

- Place in environment of $(38 \pm 2.5)^\circ\text{C}$ and $(85 \pm 5)\%$ relative humidity for (24 ± 1) hours.
在 $(38 \pm 2.5)^\circ\text{C}$ 和 $(85 \pm 5)\%$ 相对湿度环境中放置 (24 ± 1) 小时。
- Then place in a dry environment of $(70 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(70 \pm 3)^\circ\text{C}$ 干燥环境中放置 (24 ± 1) 小时。
- Then place in an environment of $(-30 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(-30 \pm 3)^\circ\text{C}$ 环境中放置 (24 ± 1) 小时。

After the sample temperature is restored to room temperature for at least 4 hours, the subsequent test shall be carried out.

使样品温度恢复至室温后至少 4 小时, 再进行后续检测。

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7 NaCl Particles Filter Efficiency (GB 2626 – 2019, Clause 6.3)
NaCl 颗粒物过滤效率 (GB 2626 – 2019, 第 6.3 条)

Test Conditions:

测试条件:

Air Flow: 85L/min

空气流量: 85L/min

Particles in Aerosol: NaCl

气溶胶颗粒: NaCl

Temperature: 23.7°C

温度: 23.7°C

Concentration of Aerosol: 18.6 mg/m³

气溶胶浓度: 18.6 mg/m³

Relative Humidity: 34.0%

相对湿度: 34.0%

Requirement
要求

=====

≥ 95.0%

Filter Efficiency
过滤效率 (%)

As Received
来样

Specimen 1 样品 1	99.53%
Specimen 2 样品 2	99.73%
Specimen 3 样品 3	99.69%
Specimen 4 样品 4	99.70%
Specimen 5 样品 5	99.60%
Specimen 6 样品 6	99.62%
Specimen 7 样品 7	99.68%
Specimen 8 样品 8	99.59%
Specimen 9 样品 9	99.64%
Specimen 10 样品 10	99.66%

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Specimen 11 样品 11	99.70%
Specimen 12 样品 12	99.66%
Specimen 13 样品 13	99.71%
Specimen 14 样品 14	99.67%
Specimen 15 样品 15	99.69%

Requirement
要求

=====

Filter Efficiency
过滤效率 (%)

≥ 95.0%

After Temperature and Humidity Pretreatment
温湿度预处理后

Specimen 1 样品 1	99.70%
Specimen 2 样品 2	99.69%
Specimen 3 样品 3	99.68%
Specimen 4 样品 4	99.47%
Specimen 5 样品 5	99.63%

Preconditioning

预处理:

After the sample is taken out of the original package, the sample is pretreated according to the following sequence conditioning.

将样品从原包装中取出, 按如下条件顺序进行样品预处理:

- Place in environment of $(38 \pm 2.5)^\circ\text{C}$ and $(85 \pm 5)\%$ relative humidity for (24 ± 1) hours.
在 $(38 \pm 2.5)^\circ\text{C}$ 和 $(85 \pm 5)\%$ 相对湿度环境中放置 (24 ± 1) 小时。
- Then place in a dry environment of $(70 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(70 \pm 3)^\circ\text{C}$ 干燥环境中放置 (24 ± 1) 小时。
- Then place in an environment of $(-30 \pm 3)^\circ\text{C}$ for (24 ± 1) hours.
在 $(-30 \pm 3)^\circ\text{C}$ 环境中放置 (24 ± 1) 小时。

After the sample temperature is restored to room temperature for at least 4 hours, the subsequent test shall be carried out.

使样品温度恢复至室温后至少 4 小时, 再进行后续检测。

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- 8 Dead Space (GB 2626-2019, Clause 6.9):
死腔 (GB 2626-2019, 第 6.9 条)

Facepiece Category: Disposable Facepiece
面罩类型: 随弃式面罩

Concentration of CO₂(%)
CO₂ 浓度

0.5%

Requirement
要求

=====
≤ 1%

- 9 Flammability Test (GB 2626-2019, Clause 6.15):
可燃性 (GB 2626-2019, 第 6.15 条):

Requirement
测试要求

Afterflame Time shall not more than 5.0 seconds for any specimen.
续燃时间不超过 5 秒。

Preconditioning
预处理:

After the sample is taken out of the original package, the sample is pretreated according to the following sequence conditioning.

将样品从原包装中取出, 按如下条件顺序进行样品预处理:

- Place in environment of (38 ± 2.5) °C and (85 ± 5)% relative humidity for (24 ± 1) hours.
在(38±2.5)°C 和(85±5)% 相对湿度环境中放置(24 ± 1) 小时。
- Then place in a dry environment of (70 ± 3) °C for (24 ± 1) hours.
在(70±3)°C 干燥环境中放置(24 ± 1) 小时。
- Then place in an environment of (-30±3)°C for (24 ± 1) hours.
在(-30±3)°C 环境中放置(24 ± 1) 小时。

After the sample temperature is restored to room temperature for at least 4 hours, the subsequent test shall be carried out.

使样品温度恢复至室温后至少 4 小时, 再进行后续检测。

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Test Result
测试结果

As Received 来样	Afterflame Time 续燃时间 (Seconds) (秒)
Specimen 1 样品 1	0
Specimen 2 样品 2	0
After Pretreatment 预处理样品	Afterflame Time 续燃时间 (Seconds) (秒)
Specimen 1 样品 1	0
Specimen 2 样品 2	0

End of Report/报告结束

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国际互认
检测
TESTING
CNAS L0220

Number: GZHT02603571-S1
报告号:

To : SAVEWO LIMITED
Attention : ZEN DING

Date : Jul 27, 2022

Re : Report Revision Notification

Labtest Report Number GZHT02603571 date JUL 25, 2022

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT02603571-S1 , issued on Jul 27, 2022 .

Thank you for your attention

批准:
Approved by:

高级经理
Sr. Manager