

TEST REPORT

Sample Name	Three-dimensional Mask KN95		Test Date	03/06/2020 - 03/10/2020																		
Material	MELT-BLOWN Filter , non-woven		Model	KN95																		
Test Summary	8 items were tested,the test results comply with the relevant standard requirements of GB 2626-2006																					
Serial number	Test item	Standard clause	standard requirement	Test results	Item conclusion																	
1	Filtration efficiency (%)	5.3	KN95 \geq 95.0	<table border="1"> <tr> <td rowspan="10">Not preprocessed</td> <td>95.3</td> </tr> <tr> <td>96.0</td> </tr> <tr> <td>95.9</td> </tr> <tr> <td>95.4</td> </tr> <tr> <td>95.9</td> </tr> <tr> <td>97.0</td> </tr> <tr> <td>96.2</td> </tr> <tr> <td>96.1</td> </tr> <tr> <td>96.4</td> </tr> <tr> <td>95.8</td> </tr> <tr> <td rowspan="5">Preprocessing</td> <td>96.3</td> </tr> <tr> <td>96.5</td> </tr> <tr> <td>94.9</td> </tr> <tr> <td>95.1</td> </tr> <tr> <td>95.0</td> </tr> </table>	Not preprocessed	95.3	96.0	95.9	95.4	95.9	97.0	96.2	96.1	96.4	95.8	Preprocessing	96.3	96.5	94.9	95.1	95.0	qualified
Not preprocessed	95.3																					
	96.0																					
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		Sodium chloride particle detection Temperature: (25 \pm 5) °C Humidity: (30 \pm 10)%	Measured temperature: (25 ~ 26) °C Measured humidity: (30-31)%																			
2	Inspiratory resistance (Pa)	5.5	Total suction resistance \leq 350	<table border="1"> <tr> <td rowspan="2">Not preprocessed</td> <td>76.3</td> </tr> <tr> <td>71.1</td> </tr> <tr> <td>Preprocessing</td> <td>77.5</td> </tr> </table>	Not preprocessed	76.3	71.1	Preprocessing	77.5	qualified												
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	71.1																					
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					78.2	
3	Expiratory resistance (Pa)	5.5	Total expiratory resistance ≤ 250	Not preprocessed	78.5	qualified
					72.0	
				Preprocessing	70.4	
					72.5	
4	Dead space [%]	5.7	When expressed as the volume fraction of carbon dioxide in the inhaled air, the average value of the results should be ≤ 1	Average: 0.9	qualified	
5	Headband	5.9	Each headband, buckle and other adjustment parts of the disposable mask should not slip or break when it bears a tensile force of 10N for 10s.	Not preprocessed	No slippage or fracture	qualified
				Preprocessing	No slippage or fracture	
6	Connections and interconnecting piece	5.10	Replaceable half-mask under specified test conditions, all connections and interconnecting piece between the replaceable filter	Not preprocessed	Not available	—

			element and the mask should not slip, break or deform under the axial pulling force of 50N and duration of 10s	Preprocessing		
7	lens	5. 11	The lenses of each sample should not be broken or cracked	Without this part, this item is not checked		—
			The samples impacted by the steel ball should be tested by airtightness method. The negative pressure drop in each sample within 60s should not be greater than 100 Pa			
8	Flammability	5. 13	Parts exposed to the flame should not burn after being removed from the flame: if burned, the afterburning time should not exceed 5s	Not preprocessed	No burning	qualified
					No burning	
				Preprocessing	No burning	
					No burning	

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序号	检测项目[单位]	标准 条款	检测结果	单项 结论	备 注		
1	过滤效率[%]	5.3	K95 ≥ 95.0	未预处理	合格	/	
							95.3
							96.0
							95.9
							95.4
							95.9
							97.0
							96.2
							96.1
							96.4
							95.8
							96.3
							96.5
							94.9
		氯化钠颗粒物检测 温度: (25±5) °C 湿度: (30±10) %	实测温度: (25~26) °C	合格	/		
			实测湿度: (30~31) %				
2	根气阻力[Pa]	5.5	总根气阻力≤350	未预处理	合格	/	
							76.3
							71.1
							77.5
				预处理	合格	/	
							78.2
							78.5
							72.0
3	呼气阻力[Pa]	5.5	总呼气阻力≤250	未预处理	合格	/	
							70.4
							70.4
							72.3
				预处理	合格	/	
							70.4
							70.4
							72.3

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序号	检测项目[单位]	标准 条款	检测结果	单项 结论	备 注		
4	死腔[%]	5.7	以吸入气中二氧化碳体积分数表示时, 结果平均值≤1	平均值: 0.9	合格 /		
5	头带	5.9	随弃式面罩的每条头带、带扣及其他调节部件在承受 10N, 持续时间 10s 的拉力时, 不应出现滑脱或断裂	未预处理	未出现滑脱、断裂	合格 /	
				预处理	未出现滑脱、断裂		
6	连接和连接部件	5.10	可更换式面罩在规定的检测条件下, 可更换式过滤元件与面罩之间的所有连接和连接部件, 在承受 30N, 持续时间 10s 的轴向拉力时, 不应出现滑脱、断裂或变形	未预处理	无此部件, 此项不检	/	
				预处理	无此部件, 此项不检		
7	镜片	5.11	每个样品的镜片不应破碎或产生裂纹 经钢球冲击后的样品按气密性方法检测, 60s 内每个样品内的负压下降应不大于 100Pa	未预处理	无此部件, 此项不检	/	
				预处理	无此部件, 此项不检		
8	可燃性	5.13	暴露于火焰的各部件在从火焰移开后, 不应燃烧; 如果燃烧, 燃烧时间不应超过 5s	未预处理	合格	/	
							未出现燃烧现象
							未出现燃烧现象
							未出现燃烧现象
				预处理	合格	/	
							未出现燃烧现象
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