



中国认可
国际互认
检测
TESTING
CNAS L10118



国检检测
CHINA COMPONENTS TEST

Test Report

(2020) WSZ FHL NO.2093

Product Name Mask

Applicant Qingdao Weida Machinery Manufacturing CO.,Ltd

Manufacturer _____

Test Type Entrusted inspection



Jiangsu Guojian Testing Technology Co., Ltd



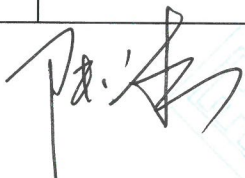
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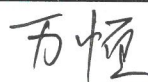
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Product name	Mask	Specification	KN95
		Brand	—
Applicant/Add/ Tel	Qingdao Weida Machinery Manufacturing CO.,Ltd/NO.1, Weida Road, East Industrial Park, Ducun, Jiaozhou, Qingdao, Shandong, China/—		
Manufacturer/ Add/Tel	—/—/—		
Sample grade	FFP2	Sample number	GW 2093-2020
Sample quantity	110 PCS	Receiving date of sample	13/03/2020
Test type	Entrusted inspection	Article number/Batch number/Style number	—
Test date	13/03/2020~25/03/2020	Testing sites	Testing room
State	Meeting the the requirements of testing		
Test standard(s)	BS EN 149:2001+A1:2009 Respiratory protective devices-Filtering half masks to protect against particles- Requirements,testing, marking		
Test items	Visual inspection、Practical performance、Finish of parts、Compatibility with skin、Flammability、Carbon dioxide content of the inhalation air、Material、Head harness、Field of vision、Penetration of filter material、Breathing resistance、Total inward leakage		
Test conclusion	<p>The sample upon examination, the projects meet the requirements of the BS EN 149:2001+A1:2009 standard , the specific test results see page 2-5.</p> <p style="text-align: right;">  Issue date: 2020.3.25 检验专用章 </p>		
Note	For the entrusted sample test, the technical responsibilities are undertaken for the submitted samples only.		

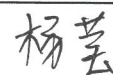
Approver:



Reviewer:



Tester:



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Number	Test item		Unit	Technical requirements	Test Result	Single Item decision
1	Visual inspection	Material	—	Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Materials withstand handling and wear.	Qualified
2	Practical performance	Head harness comfort	—	Head harness should be comfort.	Sample1 has the feathers of comfortable wearing	Qualified
					Sample 2 has the feathers of comfortable wearing	
		security of fastenings	—	Fastenings are safe and reliable	Sample1:All fastenings are firm.	
					Sample2:All fastenings are firm	
		field of vision	—	field of vision is acceptable	Samples 1:Has a wider visual field	
					Samples 2:Has a wider visual field	
3	Finish of parts		—	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Parts of the device have no sharp edges and burrs	Qualified
4	Compatibility with skin		—	Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.	A.R. 5 pcs all don't cause irritation	Qualified
					T.C. 5 pcs all don't cause irritation	
5	Flammability		—	When tested,the particle filtering half mask shall not burn or not to continue to burn for more than 5s after removal from the flame.	A.R. The Sample is burning. Burning time:0.1s	Qualified
					A.R. The Sample is burning. Burning time:0.1s	
					T.C. The Sample is burning. Burning time:0.1s	
					T.C. The Sample is burning. Burning time:0.1s	

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Number	Test item	Unit	Technical requirements	Test Result	Single Item decision	
6	Carbon dioxide content of the inhalation air		$\leq 1.0\%$ (by volume)	0.06%	Qualified	
7	Material	—	After undergoing S.W., none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Sample 1: either facepiece nor traps have mechanical failure	Qualified	
				Sample 2: either facepiece nor traps have mechanical failure		
				Sample 3: either facepiece nor traps have mechanical failure		
			After undergoing S.W. and T.C., none of the particle filtering half masks shall not collapse.	Sample 1: no collapse		
				Sample 2: no collapse		
				Sample 3: no collapse		
8	Head harness	—	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position	A.R. All of 5 pieces particle filtering half mask meet the requirements	Qualified	
				T.C. All of 5 pieces particle filtering half mask meet the requirements		
9	Field of vision	—	The field of vision is acceptable if determined so in practical performance tests.	The two devices both have a wider visual field	Qualified	
10	Penetration of filter material	sodium chloride	—	FFP2 $\leq 6\%$	A.R. 0.4% 0.3% 0.4%	Qualified
					S.W. 0.3% 0.4% 0.4%	
					M.S+T.C. 0.4% 0.5% 0.4%	
	Paraffin oil	—	FFP2 $\leq 6\%$	A.R. 1.9% 2.0% 2.1%	Qualified	
				S.W. 2.1% 2.0% 2.1%		
				M.S+T.C. 2.8% 3.0% 2.9%		

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Number	Test item		Unit	Technical requirements	Test Result					Single Item decision			
					Facing directly ahead	facing vertically upwards	facing vertically downwards	lying on the left side	lying on the right side				
11	Breathing resistance	inhalation 30L/min	mbar	≤ 0.7	A.R.	0.4	0.4	0.4	0.3	0.4	Qualified		
						0.3	0.3	0.4	0.4	0.4			
						0.4	0.4	0.4	0.4	0.4			
					S.W.	0.3	0.4	0.4	0.4	0.4			
						0.3	0.3	0.3	0.3	0.4			
						0.3	0.3	0.3	0.4	0.4			
		T.C.		0.3	0.3	0.4	0.3	0.3					
				0.4	0.3	0.4	0.4	0.4					
				0.4	0.3	0.4	0.4	0.4					
		inhalation 95L/min		mbar	≤ 2.4	A.R.	0.8	0.8	0.9	0.9		0.9	Qualified
							0.9	0.8	0.8	0.8		0.8	
							0.8	0.8	0.8	0.9		0.9	
	S.W.		0.8			0.9	0.8	0.9	0.8				
			0.8			0.8	0.8	0.9	0.9				
			0.9			0.9	0.9	0.8	0.8				
	T.C.		0.9			0.8	0.8	0.9	0.9				
			0.8			0.9	0.8	0.8	0.9				
			0.8			0.9	0.9	0.8	0.9				
	Exhalation 160L/min	mbar	≤ 3.0	A.R.	1.4	1.4	1.5	1.4	1.5	Qualified			
					1.3	1.4	1.5	1.5	1.4				
					1.4	1.3	1.4	1.6	1.4				
S.W.				1.5	1.6	1.4	1.6	1.4					
				1.4	1.5	1.5	1.5	1.5					
				1.5	1.4	1.6	1.4	1.5					
T.C.				1.4	1.4	1.4	1.4	1.4					
				1.5	1.5	1.4	1.5	1.5					
				1.4	1.4	1.4	1.4	1.4					
				1.4	1.4	1.4	1.4	1.4					

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Number	Test item	Unit	Technical requirements	Test Result						Single Item decision	
				DATA	D1 (%)	D2 (%)	D3 (%)	D4 (%)	D5 (%)		TIL (%)
12	Total inward leakage	—	At least 46 out of the 50 individual exercise results shall be not greater than 11%; And in addition,at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than 8%	A.R.	5.6	7.6	7.0	8.2	5.6	6.8	Qualified
					5.3	7.7	8.1	7.1	5.6	6.8	
					5.4	7.2	7.1	8.3	5.7	6.7	
					5.2	7.3	7.2	7.1	5.9	6.5	
					6.4	8.4	8.9	8.6	6.6	7.8	
				T.C	5.7	7.5	7.2	7.1	5.6	6.6	
					6.2	7.9	8.0	7.4	6.1	7.1	
					5.8	8.1	8.7	8.8	6.2	7.5	
					5.9	8.5	8.6	8.3	5.7	7.4	
					5.0	7.1	6.4	6.2	4.9	5.9	
Note											

————— The end —————