Factory 5 -7 Dorset Road
Boronia, Victoria Australia 3155

P.O. Box 517
Bayswater, Victoria, Australia

Telephone: +61 3 9761 0766
Email: viclab@bigpond.com

Client: ADVANCED MEDICAL DEVICES (AMD) PTY LTD
3/4 - 8 Inglewood Place,
Baulkham Hills NSW 2153 Australia

Test Report Number: 210249

Testing Requested By: Frank Galluzzo

Client's Order Number: Not Supplied

Date Samples Received: 10/02/2021

Date Testing Completed: 18/02/2021

Client Sample Description: ARTG 335982, Half facepiece, Leaf style, Respirator mask, Twin elastic ear loops, Internal nose clip, Made in Australia, Samples as supplied.

Testing Requested:

Resistance to penetration by synthetic blood, minimum pressure in mm Hg, as required by AS 4381:2015 using Test method ISO 22609

Note: Date of Manufacture not provided, ID not provided, Batch or Lot number not provided, Expiry date not provided.

Client has selected areas 1/ Central area of mask, 2/ Top seam region and 3/ Bottom seam region to be tested.

Legend:
NA = Not Applicable
NT = Not Tested
NS = Not Supplied
TBA = To Be Ascertained

Document name: Differential Pressure

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Certificate Number 6187.01
Accredited for compliance with ISO/IEC 17025 - Testing

AUTHORISED SIGNATORY:

R.A. Vickery

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Summary of Testing and Results:

Resistance to penetration by synthetic blood, minimum pressure in mm Hg, as per ISO 22609

Samples conditioned at 21 ± 5˚C and 85 ± 10% relative humidity for a minimum of 4 hours prior to testing.

Test pressure: 21.3 kPa

General location of the areas of the mask specimens target area: Central area of mask

Was targeting-plate method used: Yes

Specimen Number	Synthetic Blood Penetration	Result mm Hg	Pass/Fail
1	None Seen	160 mm Hg	Pass
2	None Seen	160 mm Hg	Pass
3	None Seen	160 mm Hg	Pass
4	None Seen	160 mm Hg	Pass
5	None Seen	160 mm Hg	Pass
6	None Seen	160 mm Hg	Pass
7	None Seen	160 mm Hg	Pass
8	None Seen	160 mm Hg	Pass
9	None Seen	160 mm Hg	Pass
10	None Seen	160 mm Hg	Pass
11	None Seen	160 mm Hg	Pass
12	None Seen	160 mm Hg	Pass
13	None Seen	160 mm Hg	Pass
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Summary of Testing and Results:

Resistance to penetration by synthetic blood, minimum pressure in mm Hg, as per ISO 22609 continued.

Specimen Number	Synthetic Blood Penetration	Result mm Hg	Pass/Fail
16	None Seen	160 mm Hg	Pass
17	None Seen	160 mm Hg	Pass
18	None Seen	160 mm Hg	Pass
19	None Seen	160 mm Hg	Pass
20	None Seen	160 mm Hg	Pass
21	None Seen	160 mm Hg	Pass
22	None Seen	160 mm Hg	Pass
23	None Seen	160 mm Hg	Pass
24	None Seen	160 mm Hg	Pass
25	None Seen	160 mm Hg	Pass
26	None Seen	160 mm Hg	Pass
27	None Seen	160 mm Hg	Pass
28	None Seen	160 mm Hg	Pass
29	None Seen	160 mm Hg	Pass
30	None Seen	160 mm Hg	Pass
31	None Seen	160 mm Hg	Pass
32	None Seen	160 mm Hg	Pass

Highest pressure corresponding to a stream velocity for which an acceptable quality limit of 4.0% -

Samples supplied have achieved Level 1, 2 and 3 Barrier Resistance to penetration by synthetic blood requirement.

Resistance to penetration by synthetic blood, minimum pressure in mm Hg requirement as per AS 4381:2015	Level 1 Barrier	Level 2 Barrier	Level 3 Barrier
	80 mm Hg	120 mm Hg	160 mm Hg

Test Uncertainty:
These uncertainty values are based on a standard uncertainty multiplied by a coverage factor k=2, which provides for a confidence level of approximately 95% - Uncertainty of measurement has not been taken into account when presenting the test result.

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Samples conditioned at 21 ± 5˚C and 85 ± 10% relative humidity for a minimum of 4 hours prior to testing.

Test pressure: 21.3 kPa

General location of the areas of the mask specimens target area: Top Seam

Was targeting-plate method used: Yes

Specimen Number	Synthetic Blood Penetration	Result mm Hg	Pass/Fail
1	None Seen	160 mm Hg	Pass
2	None Seen	160 mm Hg	Pass
3	None Seen	160 mm Hg	Pass
4	None Seen	160 mm Hg	Pass
5	None Seen	160 mm Hg	Pass
6	None Seen	160 mm Hg	Pass
7	None Seen	160 mm Hg	Pass
8	None Seen	160 mm Hg	Pass
9	None Seen	160 mm Hg	Pass
10	None Seen	160 mm Hg	Pass
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22	None Seen	160 mm Hg	Pass
23	None Seen	160 mm Hg	Pass
24	None Seen	160 mm Hg	Pass
25	None Seen	160 mm Hg	Pass
26	None Seen	160 mm Hg	Pass
27	None Seen	160 mm Hg	Pass
28	None Seen	160 mm Hg	Pass
29	None Seen	160 mm Hg	Pass
30	None Seen	160 mm Hg	Pass
31	None Seen	160 mm Hg	Pass
32	None Seen	160 mm Hg	Pass

Highest pressure corresponding to a stream velocity for which an acceptable quality limit of 4.0% -

Samples supplied have achieved Level 1, 2 and 3 Barrier Resistance to penetration by synthetic blood requirement.

Resistance to penetration by synthetic blood, minimum pressure in mm Hg requirement as per AS 4381:2015	Level 1 Barrier	Level 2 Barrier	Level 3 Barrier
	80 mm Hg	120 mm Hg	160 mm Hg

Test Uncertainty:
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Samples conditioned at 21 ± 5˚C and 85 ± 10% relative humidity for a minimum of 4 hours prior to testing.

Test pressure: 21.3 kPa

General location of the areas of the mask specimens target area: Bottom Seam

Was targeting-plate method used: Yes

Specimen Number	Synthetic Blood Penetration	Result mm Hg	Pass/Fail
1	None Seen	160 mm Hg	Pass
2	None Seen	160 mm Hg	Pass
3	None Seen	160 mm Hg	Pass
4	None Seen	160 mm Hg	Pass
5	None Seen	160 mm Hg	Pass
6	None Seen	160 mm Hg	Pass
7	None Seen	160 mm Hg	Pass
8	None Seen	160 mm Hg	Pass
9	None Seen	160 mm Hg	Pass
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