NICOMATIC R&D LABORATORY	QUALIFICATION TEST REPORT	QTR18010a
EMM SERIE ACCORDING TO MIL-DTL-83513G STANDARD		Page : 1 /16
		Qualification status : PASSED

INSULATION RESISTANCE (Initial)

According to MIL-DTL-83513G §3.5.5, 4.5.7 and EIA-364-21C test procedure

ISSUE	MODIFICATION	VISA	DATE
a	Original Issue	AJ	21/05/18
b			
c			

	Name	Duty	Date	Visa
Written by	A.JAGHMIM	Test & Measurement Manager	18/05/18	AJ
Test Operator(s)	A.JAGHMIM	Test & Measurement Manager	18/05/18	AJ
Checked by	J.RIGAT	Project Manager	18/05/18	JR
Approved by	A.VULLIEZ	R&D Manager	18/05/18	AV
Requested by	J.RIGAT	Project Manager	18/05/18	JR

CONTENTS

1 CONCLUSION 3

2 TECHNICAL FEATURES PROPOSAL 3

3 CONNATE REPORTS 3

4 INFORMATION ABOUT THE TESTS 4

4.1 OBJECT 4
4.2 REFERENCE DOCUMENTS/QUALIFICATION PLAN 4
4.3 TESTED PRODUCTS 4
4.4 PERSONS PRESENT DURING THE TESTS 5
4.5 DATE AND PLACE OF THE TESTS 5
4.6 ENVIRONMENTAL CONDITIONS 5
4.7 INCIDENTS DURING THE TEST 5
4.8 TEST EQUIPMENTS 5
4.9 TEST TOOLING 5

5 REQUIREMENTS 6

6 TEST PROCEDURE 6

6.1 TEST PROCEDURE ACCORDING TO MIL-DTL-83513G 6
6.2 TEST PROCEDURE ACCORDING TO EIA-364-21C 6
6.2.1 Measurement 6
6.2.2 Electrification time 7
6.2.3 Precautions 7
6.2.4 Rate of application 7
6.2.5 Duration of application 7
6.2.6 Calculation rules 7

7 TEST SETUP 8

8 MEASUREMENTS RESULTS 9

8.1 RESUME 9
8.2 DETAILS 10
8.2.1 Couple 1 - C18891-30 + C18892-30 10
8.2.2 Couple 2 - C18891-30 with C18893-30 11
8.2.3 Couple 3 - C18904-30 with C18893-30 12
8.2.4 Couple 4 - C18901-30 with C18979-30-0250 13
8.2.5 Couple 5 - C18900-30 with C18979-30-0250 14

9 VISUAL INSPECTION 15

10 APPENDIX 16

10.1 THE LABORATORY ADVICE 16
10.2 PICTURES 16

1 Conclusion

The EMM connectors are **qualified** regarding INSULATION RESISTANCE (Initial) according to MIL-DTL-83513G standard.

2 Technical Features Proposal

EMM connectors:
Insulation Resistance > 2 000 GOhms

3 Connate Reports

4 Information about the tests

4.1 Object

The object of this test is to qualify the EMM connectors regarding Insulation Resistance according to MIL-DTL-83513G standard.

4.2 Reference documents/Qualification Plan

- MDC.P16020.a
- MIL-DTL-83513G
- EIA-364-21C

4.3 Tested Products

Designation	Article Reference*	Drawing issue*	Batch / DI*	Quantity
C18892-30 (Female, Straight on PCB, E60 guiding)	C18892-30	na	DI7576	20
C18900-30 (Female Straight on PCB, E50)	C18900-30	na	DI7577	20
C18891-30 (Male, Straight on PCB, E10)	C18891-30	na	DI7579	20
C18904-30 (Male, 90° on PCB, E11 guiding)	C18904-30	na	DI7578	20
C18893-30 (Female, 90° on PCB, E61 guiding)	C18893-30	na	DI7580	20
C18901-30 (Female, 90° on PCB, E51 jackscrew)	C18901-30	na	DI7581	20
C18981-30-0250 (Male, on cable AWG30, E01 jackscrew)	C18981-30-0250	na	DI7592	20
C18980-30-0250 (Male, on cable AWG28, E01 jackscrew)	C18980-30-025	na	DI7591	20
C18902-30-0250 (Male, on cable AWG26, E01 jackscrew)	C18902-30-0250	na	DI7588	20
C18979-30-0250 (Male, on cable AWG24, E01 jackscrew)	C18979-30-0250	na	DI7589	20
C18902-30-0250-BP (Male, on cable AWG26, E01 jackscrew BP)	C18902-30-0250-BP	na	DI7586	20
18224-AWG24	18224-AWG24	na	DI7594	25
18224-AWG26	18224-AWG26	na	DI7596	25
18240-AWG28	18240-AWG28	na	DI7597	25
18240-AWG30	18240-AWG30	na	DI7598	25

4.4 Persons present during the tests

Name	Duty
A.JAGHMIM	Test & Measurement Manager

4.5 Date and place of the tests

NICOMATIC France Lab. from 05/02/18 to 06/02/18

4.6 Environmental conditions

Ambient temperature: 24.3°C
Pressure: 963 mbar
Humidity: 26 % HR

4.7 Incidents during the test

None

4.8 Test Equipments

Designation	Calibration Data	
MEGOHMMETER N°251	**Last calibration date**	08/03/16
	Next calibration date	08/03/18

4.9 Test Tooling

Designation	Tooling reference

5 Requirements

The insulation resistance of mated connectors shall conform to the applicable requirements in table II when tested as specified in 4.5.7 (of MIL-STD-83513G standard).

TABLE II. Insulation resistance.

Humidity conditioned (see 4.5.11)		All other conditions
After step 6 specified in test procedure EIA-364-31	After 24 hours of conditioning (specified in test procedure EIA-364-31)	
Megohms (min) 1	Megohms (min) 1,000	Megohms (min) 5,000

6 Test Procedure

6.1 Test procedure according to MIL-DTL-83513G

Mated connectors shall be tested in accordance with test procedure EIA-364-21. Test voltage shall be 500 volts ±10 percent initially, then reduced to 100 volts ±10 percent after humidity. The resistance shall be measured between 50 percent, but not less than four pairs of adjacent contacts and between 50 percent, but not less than six contacts adjacent to the shell (type M only). The contacts selected shall be those having the closest spacing between measurement points and the measured resistance shall be as specified in 3.5.5(of MIL-STD-83513G standard).

6.2 Test procedure according to EIA-364-21C

6.2.1 Measurement

Insulation resistance shall be measured separately between the closest adjacent contacts; and between connector shell or mounting plate and the closest adjacent contact, or both. Unless otherwise specified in a detail specification, a minimum of six measurements (3 adjacent contacts and/or 3 contacts-to-shell and/or 3 contacts-to-base plate) or 10% of the total number of contacts (whichever is greater) shall be made for each case. The same contact locations for a given connector shall be used each time the insulation resistance test is performed. Unless otherwise specified, test voltage applied shall be 500 Vdc ± 10%. Insulation resistance measurements for coaxial contacts shall be made between the inner and outer contacts, as specified in the referencing document.

6.2.2 Electrification time

When electrification time is a factor, or when variable data are required, the insulation measurements shall be made immediately after a two-minute period of uninterrupted test voltage application, unless otherwise specified. However, if the instrument reading indicates that an insulation resistance meets the specified limit, and is steady or increasing, the test may be terminated before the end of the specified period. When more than one measurement is specified, subsequent measurements of insulation resistance shall be made using the same polarity as the initial measurements. The minimum value of insulation resistance obtained shall be greater than the minimum value specified in the requirements for the specimens being tested.

6.2.3 Precautions

Suitable precautions must be taken to protect personnel and apparatus from the relatively high potentials used in performing the test. Care shall be taken to prevent a direct short circuit of the testing apparatus since damage to the indication device may result.

6.2.4 Rate of application

The test voltage shall be raised from zero to the specified value as uniformly as possible, at a rate of approximately 500 volts (rms or dc) per second, unless otherwise specified. At the option of the manufacturer, the test voltage may be applied instantaneously during inplant quality conformance testing.

6.2.5 Duration of application

Unless otherwise specified, the test voltage shall be maintained at the specified value for a period of 60 seconds. Unless otherwise specified, for inplant quality conformance testing the time may be reduced to 5 seconds minimum. Upon completion of the test, the test voltage shall be gradually reduced to avoid voltage surges. At the option of the manufacturer, the test voltage may be removed instantaneously during inplant conformance testing.

6.2.6 Calculation rules

For purposes of standardization, the withstanding voltage shall be established as 75% of the minimum breakdown voltage of the connector, and it is suggested that the operating rated voltage of the connector be established as 1/3 of the withstanding voltage.

7 Test setup


SET-UP
OFF
V/TIME
START/STOP
MEM
PRINT
R-DAR-PI
SE 6543
MEGOHMMETER
INTERFACE

8 Measurements results

8.1 Resume

	All the sample Resistance (GOhm)
Min	2000.00
Max	2000.00
Average	2000.00

8.2 Details

8.2.1 Couple 1 - C18891-30 + C18892-30

Sample 1			Sample 2			Sample 3		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

Sample 4			Sample 5			Sample 6		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

8.2.2 Couple 2 - C18891-30 with C18893-30

Sample 1			Sample 2			Sample 3		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

Sample 4			Sample 5			Sample 6		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

8.2.3 Couple 3 - C18904-30 with C18893-30

Sample 1			Sample 2			Sample 3		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

Sample 4			Sample 5			Sample 6		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

8.2.4 Couple 4 - C18901-30 with C18979-30-0250

Sample 1			Sample 2			Sample 3		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

Sample 4			Sample 5			Sample 6		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

8.2.5 Couple 5 - C18900-30 with C18979-30-0250

Sample 1			Sample 2			Sample 3		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

Sample 4			Sample 5			Sample 6		
Mated couple			Mated couple			Mated couple		
Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)	Contacts N°	Test Voltage (V DC)	Insulation Resistance (GΩ)
1-2	500	2000.00	1-2	500	2000.00	1-2	500	2000.00
6-7		2000.00	6-7		2000.00	6-7		2000.00
15-30		2000.00	15-30		2000.00	15-30		2000.00
2-17		2000.00	2-17		2000.00	2-17		2000.00
19-20		2000.00	19-20		2000.00	19-20		2000.00
25-26		2000.00	25-26		2000.00	25-26		2000.00
4		2000.00	**4**		2000.00	**4**		2000.00
Fix 1 - 1	500	2000.00	**Fix 1 - 1**	500	2000.00	**Fix 1 - 1**	500	2000.00
Fix 1 - 16		2000.00	**Fix 1 - 16**		2000.00	**Fix 1 - 16**		2000.00
Fix 2 - 15	500	2000.00	**Fix 2 - 15**	500	2000.00	**Fix 2 - 15**	500	2000.00
Fix 2 - 30		2000.00	**Fix 2 - 30**		2000.00	**Fix 2 - 30**		2000.00
Min	**3**	**2000.00**	**Min**	**3**	**2000.00**	**Min**	**3**	**2000.00**
Max	**3**	**2000.00**	**Max**	**3**	**2000.00**	**Max**	**3**	**2000.00**
Average	**3**	**2000.00**	**Average**	**3**	**2000.00**	**Average**	**3**	**2000.00**

9 Visual Inspection

Required by the applicable standard ?			
YES		NO	☐

**********END OF REPORT**********

10 APPENDIX

Internal use only ?			
YES	☒	NO	☐

10.1 The Laboratory Advice

10.2 Pictures

**********END OF APPENDIX**********