

ST CABLE CORPORATION

2F-6, No. 6, Chung Shing Rd. Sec. 1, Wu Ku, New Taipei, Taiwan 24872
Tel: +886 2 8976 9595 Fax: +886 2 8976 9001

Declaration of Conformity (MD)

PI NO.: ST16101701

P//INVOICE DATE: Oct. 19, 2016

SUPPLIER: ST Cable Corporation

Address: 2F-6, No. 6, Chung Shing Rd. Sec. 1, Wu Ku, New Taipei, Taiwan 24872

PRODUCT:

H05VVH6-F Flat Cable 0.75mm² X 24C
Flat Cable 0.75mm²X18C+0.75mm²X1PX2+1.5mm²X3C+2Y

The product described above is in the conformity with:

Document no: 60227-6	TITLE: IEC	Edition date of issue: 2001
60227-1	IEC	2007
60227-2	IEC	1997

Additional information

Customer Name: EBRAHIM HASANZADEH (ID:2830089715)

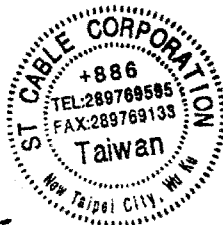
**ADD: MAKU, BAZARGAN BORDER , SHAHID FAHMIDEH STREET, BEHIND
MELAT BANK, ARABI BULIDING, IRAN**

Loading Port: Keelung port

Destination Port: Bandar Abbas

Place: Taiwan

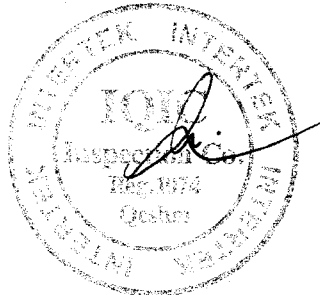
Date: Jan. 4, 2017



Jocelyn Lee

ST Cable Corporation
Jocelyn Lee
Sales Manager
Signature & Stamp

INTERTEK QESHM INSPECTION CO.
REPRESENTATIVE
Signature & Stamp



ST CABLE CORPORATION

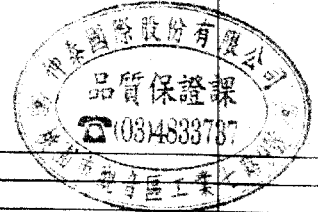
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Test Report

FLAT FLEXIBLE CABLE

Style: **FLAT CABLE / 0.75mm²X18C+0.75mm²X1PX2+1.5mm²X3C+2Y**



DATE OF TEST	:	4/1/2017
BUYER'S NAME	:	EBRAHIM HASANZADEH
PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

No	Description			Standard Limits	Test Results	Remarks Pass/Fail
1	CODE DESIGNATION			AS PER SUBCLAUSE 2.1	ACCORDING TO SAMPLE	PASS
2	RATED VOLTAGE			-300/500 FOR CABLES WITH CONDUCTORS HAVING NOMINAL CROSS-SECTIONAL AREAS NOT EXCEEDING 1 MM ² -450/740 V FOR OTHER CABLES	300/500V	PASS
3	CONSTRUCTION	CONDUCTOR	NOMINAL CROSS-SECTIONAL AREA (MM ²)	AS PER SUBCLAUSE 2.3.1 AND RELATED TABLE	ACCORDING TO SAMPLE	PASS
			NO. OF CONDUCTORS		ACCORDING TO SAMPLE	PASS
		INSULATION		THE INSULATION SHALL BE POLYVINYL CHLORIDE COMPOUND OF TYPE PVC/D APPLIED AROUND EACH CONDUCTOR. THE INSULATION THICKNESS SHALL COMPLY WITH SPECIFIED IN TABLE 1 COLUMN 2 & INSULATION RESISTANCE SHALL BE NOT LESS THAN THE VALUE GIVEN IN TABLE 1 COLUMN 3.	ACCORDING TO SAMPLE	PASS
		ARRANGEMENTS OF CORES AND STRAIN-BEARING MEMBERS		CORES SHALL BE LAID PARALLEL. IT SHALL BE POSSIBLE TO SEPARATE THE CORES WITHOUT DAMAGE TO THE INSULATION. STRAIN-BEARING MEMBERS OF TEXTILE OR METAL MAY BE USED. IT SHALL BE COVERED WITH A NON-CONDUCTING ABRASION-RESISTENT MATERIAL. NO. OF CORES & GROUPING SHALL COMPLY WITH TABLE IN SUBCLAUSE 2.3.3.	PASS	PASS
	SHEATH		AS PER SUBCLAUSE 2.3.4 AND TABLE 11, COLUMN 3	e1:2.10 e2:1.67 e3:2.63	PASS	
4	PRESSURE TEST AT HIGH TEMPERATURE FOR SHEATHS			AS PER SUBCLAUSE 2.4.1	42.8%	PASS
5	IMPACT TEST ON COMPLETED CABLE AT LOW TEMPERATURE			AS PER SUBCLAUSE 2.4.2	No cracks	PASS
6	FLEXING TEST			AS PER SUBCLAUSE 2.4.3 AND RELATED TABLE (IF APPLICABLE)	15000 cycles	PASS
7	STATIC FLEXIBILITY TEST			AS PER SUBCLAUSE 2.4.4	389	PASS
8	TEST OF FLAME RETARDANCE			AS PER SUBCLAUSE 2.4.5	295	PASS
9	ELECTRICAL TESTS	RESISTANCE OF CONDUCTORS		AS PER IEC 60227-2 SUBCLAUSE 2.1	12.98 Ω/Km (1.5mm ² X3C) 24.92 Ω/Km (0.75mm ² X18C) 24.97 Ω/Km (0.75mm ² X1PX2)	PASS

Approval:

Rex Chan



Applicant:

HSU TSAI PIN

ST CABLE CORPORATION

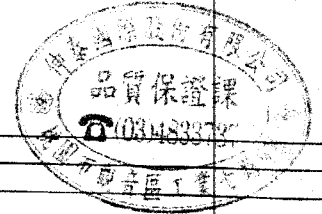
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Test Report

FLAT FLEXIBLE CABLE

Style: **FLAT CABLE / 0.75mm²X18C+0.75mm²X1PX2+1.5mm²X3C+2Y**

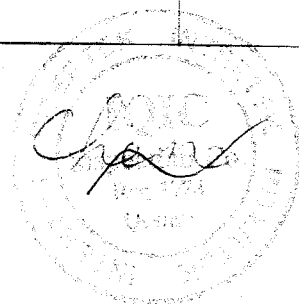


DATE OF TEST	:	4/1/2017
BUYER'S NAME	:	EBRAHIM HASANZADEH
PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

		VOLTAGE TEST ON CORES	AS PER IEC 60227-2 SUBCLAUSE 2.3	PASS	
		VOLTAGE TEST ON COMPLETED CABLE	AS PER IEC 60227-2 SUBCLAUSE 2.2	No breakdown → OK	PASS
		INSULATION RESISTANCE AT 70 °C	AS PER IEC 60227-2 SUBCLAUSE 2.4	1.35MΩ/Km (1.5mm2X3C) 1.47MΩ/Km (0.75mm2X18C) 1.45MΩ/Km (0.75mm2X1PX2)	PASS
10	PROVISION COVERING CONSTRUCTIONAL & DIMENSIONAL CHARACTERISTICS	CHECKING OF COMPLIANCE WITH CONSTRUCTIONAL PROVISIONS	AS PER IEC 60227-1	Inner Sheath : PVC/ST5 → OK Conductor: class5 Insulation : PVC/D → OK	PASS
		MEASUREMENT OF INSULATION THICKNESS	AS PER IEC 60227-2, SUBCLAUSE 1.9 (Min: 0.44 mm)	ACCORDING TO SAMPLE	PASS
		MEASUREMENT OF SHEATH THICKNESS	AS PER IEC 60227-2, SUBCLAUSSE 1.10 e1: minimum > 0.5mm e2: mean > 0.8mm e3: mean > 1.2mm	e1: 2.10 e2: 1.67 e3: 2.63 (1.5mm2X3C) AVG: 0.47 mm MIN: 0.35 mm (0.75mm2X1PX2)	PASS
11	MECHANICAL PROPERTIES OF INSULATION	TENSILE TEST BEFORE & AFTER AGEING	AS PER IEC 60540, SUBCLAUSE 5.1 & 6.1	Before Ageing 11.74N/mm2 232 % After Ageing -7 -8 (1.5mm2X3C) 15.53 N/mm2 179 % +1 -5 (0.75mm2X18C) 15.69 N/mm2 189 % +1 -4 (0.75mm2X1PX2)	PASS
		LOSS OF MASS TEST	AS PER IEC 60540, SUBCLAUSE 7.1	0.51mg/cm2 (1.5mm2X3C) 0.50mg/cm2 (0.75mm2X18C) 0.53mg/cm2 (0.75mm2X1PX2)	PASS

Approval:

Rex Chen



Applicant:

HISUTSUKI PIN

ST CABLE CORPORATION

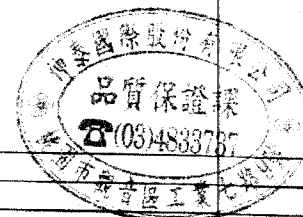
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Test Report

FLAT FLEXIBLE CABLE

Style: **FLAT CABLE / 0.75mm²X18C+0.75mm²X1PX2+1.5mm²X3C+2Y**



DATE OF TEST	:	4/1/2017
BUYER'S NAME	:	EBRAHIM HASANZADEH
PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

12	MECHANICAL PROPERTIES OF SHEATH	TENSILE TEST BEFORE & AFTER AGEING	AS PER IEC 60540, SUBCLAUSE 5.2 & 6.1	Before Ageing 11.75N/mm2 237 % After Ageing -8 -7 (1.5mm2X3C) 11.78N/mm2 218 % -7 -8 (0.75mm2X1PX2)	PASS
		LOSS OF MASS TEST	AS PER IEC 60540, SUBCLAUSE 7.2 4h (70+-2) C %50	0.54mg/cm2 (1.5mm2X3C) 0.52mg/cm2 (0.75mm2X1PX2)	PASS
13	PRESSURE TEST AT HIGH TEMPERATURE	INSULATION	AS PER IEC 60540, SUBCLAUSE 8.1 4h (70+-2) C %50	43.9% (1.5mm2X3C) 44.7% (0.75mm2X18C) 43.9% (0.75mm2X1PX2)	PASS
		SHEATH	AS PER IEC 60540, SUBCLAUSE 8.2	42.8 % (1.5mm2X3C) 40.1 % (0.75mm2X1PX2)	PASS
14	ELASTICITY & IMPACT STRENGTH AT LOW TEMPERATURE	BENDING TEST FOR INSULATION AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.1	No cracks	PASS
		BENDING TEST FOR SHEATH AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.2 (-15+ 2C %30)	No cracks	PASS
		ELONGATION TEST FOR SHEATH AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.4	Coil free from the remainder	PASS
		IMPACT TEST ON COMPLETED CABLE AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.5	No cracks	PASS
15	HEAT SHOCK TEST	INSULATION	AS PER IEC 60540, SUBCLAUSE 10.1	No cracks	PASS
		SHEATH	AS PER IEC 60540, SUBCLAUSE 10.2	No cracks	PASS
16	MARKING	SIZE & TYPE OF CABLE	FLAT CABLE / 0.75mm2X18C+0.75mm2X1PX2+1.5mm2X3C+2Y PRODUCTION DATE: Dec. 12, 2016 EXPIRY DATE: Dec. 12, 2017 NET WEIGHT: 383kg (500m) LOT NO: 1051103305		PASS
		MANUFACTURER	ST CABLE CORPORATION		
		TRADEMARK	SHEN TAI		PASS
		COUNTRY OF ORIGIN	TAIWAN		PASS

Approval:

Rex Chen

Applicant: Hsu Tsa | PIN

ST CABLE CORPORATION

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Test Report

FLAT FLEXIBLE CABLE

Style: **FLAT CABLE / 0.75mm²X18C+0.75mm²X1PX2+1.5mm²X3C+2Y**

DATE OF TEST	:	4/1/2017
BUYER'S NAME	:	EBRAHIM HASANZADEH
PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

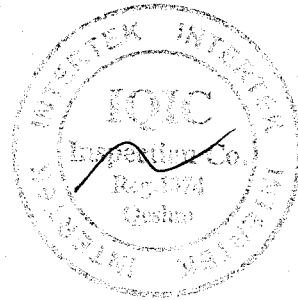
CONCLUSION:

PLACE AND DATE OF INSPECTION AT ST CABLE CORPORATION, TAIWAN ON 4/1/2017 AND THE SAMPLE TEST PERFORMED BY MANUFACTURER. SAMPLE TEST WITNESSED BY OUR INTERTEK QESHM INSPECTOR IN AN ACCREDITED LABORATORY OF THE MANUFACTURER AND CONCLUDED THAT THE GOODS ARE IN CONFORMITY WITH STANDARD NO. IEC 60227-6:2001, IEC 60227-1:2007 & IEC 60227-2:1997. FURTHERMORE, WE CONFIRM THAT THE TEST REPORT IS ACCEPTABLE AND THE MANUFACTURER'S LABORATORY FOUND TO BE AS QUALIFIED.



MANUFACTURER'S SIGNATURE & STAMP

INTERTEK QESHM INSPECTION CO.
REPRESENTATIVE



Approval:

Rex Chen

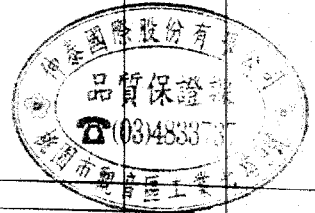
Applicant: Hsu Tsai Pin

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Test Report



FLAT FLEXIBLE CABLE

Style: **H05VVH6-F flat cable / 0.75mm² X 24C**

DATE OF TEST	:	4/1/2017
BUYER'S NAME	:	EBRAHIM HASANZADEH
PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

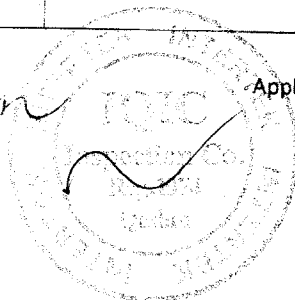
No	Description		Standard Limits	Test Results	Remarks
1	CODE DESIGNATION		AS PER SUBCLAUSE 2.1	60227 IEC 71f	Pass/Fail
2	RATED VOLTAGE		-300/500 FOR CABLES WITH CONDUCTORS HAVING NOMINAL CROSS-SECTIONAL AREAS NOT EXCEEDING 1 MM ² -450/740 V FOR OTHER CABLES	300/500V	PASS
3	CONSTRUCTION	CONDUCTOR	AS PER SUBCLAUSE 2.3.1 AND RELATED TABLE	0.75mm ²	PASS
		NOMINAL CROSS-SECTIONAL AREA (MM ²)			
		NO. OF CONDUCTORS		30/0.18mm	PASS
	INSULATION		THE INSULATION SHALL BE POLYVINYL CHLORIDE COMPOUND OF TYPE PVC/D APPLIED AROUND EACH CONDUCTOR. THE INSULATION THICKNESS SHALL COMPLY WITH SPECIFIED IN TABLE 1 COLUMN 2 & INSULATION RESISTANCE SHALL BE NOT LESS THAN THE VALUE GIVEN IN TABLE 1 COLUMN 3.	0.67mm	PASS
	ARRANGEMENTS OF CORES AND STRAIN-BEARING MEMBERS		CORES SHALL BE LAID PARALLEL. IT SHALL BE POSSIBLE TO SEPARATE THE CORES WITHOUT DAMAGE TO THE INSULATION. STRAIN-BEARING MEMBERS OF TEXTILE OR METAL MAY BE USED. IT SHALL BE COVERED WITH AN NON-CONDUCTING ABRASION-RESISTENT MATERIAL. NO. OF CORES & GROUPING SHALL COMPLY WITH TABLE IN SUBCLAUSE 2.3.3.	PASS NO SBM	PASS
	SHEATH		AS PER SUBCLAUSE 2.3.4 AND TABLE 11, COLUMN 3	e1:0.86 e2:0.89 e3:2.07	PASS
4	PRESSURE TEST AT HIGH TEMPERATURE FOR SHEATHS		AS PER SUBCLAUSE 2.4.1	50%	PASS
5	IMPACT TEST ON COMPLETED CABLE AT LOW TEMPERATURE		AS PER SUBCLAUSE 2.4.2	No cracks	PASS
6	FLEXING TEST		AS PER SUBCLAUSE 2.4.3 AND RELATED TABLE (IF APPLICABLE)	15000 cycles	PASS
7	STATIC FLEXIBILITY TEST		AS PER SUBCLAUSE 2.4.4	325	PASS
8	TEST OF FLAME RETARDANCE		AS PER SUBCLAUSE 2.4.5	285	PASS
9	ELECTRICAL TESTS	RESISTANCE OF CONDUCTORS	AS PER IEC 60227-2 SUBCLAUSE 2.1	24.18 Ω/Km	PASS
		VOLTAGE TEST ON CORES	AS PER IEC 60227-2 SUBCLAUSE 2.3		
		VOLTAGE TEST ON COMPLETED CABLE	AS PER IEC 60227-2 SUBCLAUSE 2.2	No breakdown →OK	PASS
		INSULATION RESISTANCE AT 70 °C	AS PER IEC 60227-2 SUBCLAUSE 2.4	1.39MΩ/Km	PASS
10	PROVISION COVERING CONSTRUCTIONAL & DIMENSIONAL	CHECKING OF COMPLIANCE WITH CONSTRUCTIONAL PROVISIONS	AS PER IEC 60227-1	Conductor: class 5 Insulation: PVC/D Sheath: PVC/ST5 → OK	PASS

Approval:

Rex Chen

Applicant: H SU TSB PIN

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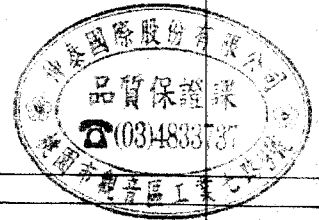


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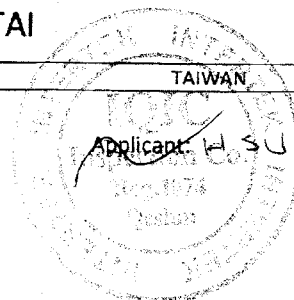
FLAT FLEXIBLE CABLE
Style: **H05VVH6-F flat cable / 0.75mm² X 24C**

DATE OF TEST	:	4/1/2017
BUYER'S NAME	:	EBRAHIM HASANZADEH
PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

No.	CHARACTERISTICS	TEST METHOD	RESULTS	PASS/FAIL	
	MEASUREMENT OF INSULATION THICKNESS	AS PER IEC 60227-2, SUBCLAUSE 1.9 (Min: 0.44 mm)	0.67mm	PASS	
	MEASUREMENT OF SHEATH THICKNESS	AS PER IEC 60227-2, SUBCLAUSSE 1.10 e1: minimum > 0.5mm e2: mean > 0.8mm e3: mean > 1.2mm	e1: 0.86 e2: 0.89 e3: 2.07	PASS	
11	MECHANICAL PROPERTIES OF INSULATION	TENSILE TEST BEFORE & AFTER AGEING	AS PER IEC 60540, SUBCLAUSE 5.1 & 6.1	Before Ageing: 15.62 N/mm ² 183 % After Ageing: +1 -3	PASS
		LOSS OF MASS TEST	AS PER IEC 60540, SUBCLAUSE 7.1	0.50mg/cm ²	PASS
12	MECHANICAL PROPERTIES OF SHEATH	TENSILE TEST BEFORE & AFTER AGEING	AS PER IEC 60540, SUBCLAUSE 5.2 & 6.1	Before Ageing: 12.48N/mm ² 218 % After Ageing -8 -7	PASS
		LOSS OF MASS TEST	AS PER IEC 60540, SUBCLAUSE 7.2 4h (70+2) C %50	0.51mg/cm ²	PASS
13	PRESSURE TEST AT HIGH TEMPERATURE	INSULATION	AS PER IEC 60540, SUBCLAUSE 8.1 4h (70+2) C %50	43.8%	PASS
		SHEATH	AS PER IEC 60540, SUBCLAUSE 8.2	38.9 %	PASS
14	ELASTICITY & IMPACT STRENGTH AT LOW TEMPERATURE	BENDING TEST FOR INSUALTION AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.1	No cracks	PASS
		BENDING TEST FOR SHEATH AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.2 (-15+2C %30)	No cracks	PASS
		ELONGATION TEST FOR SHEATH AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.4	Coil free from the remainder	PASS
		IMPACT TEST ON COMPLETED CABLE AT LOW TEMPERATURE	AS PER IEC 60540, SUBCLAUSE 9.5	No cracks	PASS
15	HEAT SHOCK TEST	INSULATION	AS PER IEC 60540, SUBCLAUSE 10.1	No cracks	PASS
		SHEATH	AS PER IEC 60540, SUBCLAUSE 10.2	No cracks	PASS
16	MARKING	SIZE & TYPE OF CABLE	H05VVH6-F flat cable / 0.75mm ² X 24C Production Date: Dec. 12, 2016 Expiry Date: Dec. 12, 2017 Net Weight: 233kg (500m) Lot No: 1051103305		
		MANUFACTURER	ST CABLE CORPORATION	PASS	
		TRADEMARK	SHEN TAI	PASS	
		COUNTRY OF ORIGIN	TAIWAN	PASS	

Approval:

Rex Chen



Applicant: H.S.U TSD/ PIN

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FLAT FLEXIBLE CABLE

Style: **H05VVH6-F flat cable / 0.75mm² X 24C**

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PROFORMA INVOICE NO. & DATE	:	ST16101701 DATED 19/10/2016
APPLICABLE STANDARD NO.	:	IEC60227-6:2001, IEC 60227-1:2007, IEC 60227-2:1997
SELLER	:	ST CABLE CORPORATION

CONCLUSION:

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MANUFACTURER'S SIGNATURE & STAMP

INTERTEK QESHM INSPECTION CO.
REPRESENTATIVE



Approval:

Rex Chen

Applicant: *H SU TSB PIN*