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ATEX QAN, IECEx QAR and ISO 9001 Audit Report

Certificate **CML ATEXQ12869** **GB/CML/QAR20.0003**

Applicant **SYSMAX Innovations Co., Ltd.**

Report **R12869A/00**

Date (of issue) Sep., 2019

CML B.V. Hoogoorddreef 15, Amsterdam 1101 BA The Netherlands

Eurofins E&E CML Limited Newport Business Park, New Port Road, Ellesmere Port CH65 4LZUK

1 Introduction

1.1 Summary review

Audit Scope		ATEX QAN <input checked="" type="checkbox"/>	
		IECEX QAR <input checked="" type="checkbox"/>	
		ISO 9001 <input type="checkbox"/>	
		Combined <input type="checkbox"/>	
Audit Type	:	Initial Assessment (Stage 1/Stage 2) <input type="checkbox"/>	
		Re-Assessment <input type="checkbox"/>	
		Surveillance Assessment <input checked="" type="checkbox"/>	
		Change to approval <input type="checkbox"/>	
		Certificate Transfer <input type="checkbox"/>	
Manufacturer Include Address with post code	:	SYSMAX Innovations Co., Ltd. Rm2601-06,Central Tower, No.5 Xiancun Road,Tianhe District, Guangzhou City, <i>Guangdong Province, P. R. China</i> Post Cost: 510623	
Authorised person	:	Leon Wang	
Contact Email/Phone	:	chenmei@nitecore.com / 00 86 13480792152 (SYSMAX)	
Production Site(s) audited Include Address with post code	:	Rm2601-06,Central Tower, No.5 Xiancun Road, Tianhe District, Guangzhou City, <i>Guangdong Province, P. R. China</i> Post Cost: 510623	
Approx No of employees		SYSMAX : Total applicable to management system:50 Total applicable to Ex:50	
Scope of operations (business functions) Business activities, product/service Language/s	:	Lights English	
Changes to scope (surveillance/reassessment only)	:	New protection is added. Protection type 'd' and IEC60079-35-1 are added.	
Product Description	:	<i>Lights,</i>	
Electrical equipment with type(s)	:	d <input checked="" type="checkbox"/> p <input type="checkbox"/> q <input type="checkbox"/> o <input type="checkbox"/> e <input type="checkbox"/> is <input checked="" type="checkbox"/> v <input type="checkbox"/> n <input type="checkbox"/> m <input type="checkbox"/> s <input type="checkbox"/>	

of protection of		<input checked="" type="checkbox"/> op t <input type="checkbox"/> Trace heating <input type="checkbox"/> Protective system <input type="checkbox"/> Non-elec <input type="checkbox"/> Other (specify) <input checked="" type="checkbox"/> IEC 60079-35-1
Technical areas	:	Electronics <input type="checkbox"/> Diesel engines <input type="checkbox"/> Gas detectors <input type="checkbox"/> Moulding <input type="checkbox"/> Trucks <input type="checkbox"/> Func S (prod) <input type="checkbox"/> Machining <input type="checkbox"/> Motors <input type="checkbox"/> Func S (soft) <input type="checkbox"/> Fabrication <input type="checkbox"/> Luminaires <input checked="" type="checkbox"/> Assembly <input type="checkbox"/> Dispensers <input type="checkbox"/> Casting <input type="checkbox"/>

Scope of EA Codes	:	17 Basic metals and fabricated metal products <input type="checkbox"/> 18 Manufacture, repair and installation of machinery and equipment <input type="checkbox"/> 19 Manufacture and repair of electrical equipment, computer, electronic and optical products <input type="checkbox"/> 19 Manufacture and repair of electrical equipment <input type="checkbox"/> 29 Wholesale of: machinery, industrial equipment; other particular products; ICT; mining, construction and civil engineering machinery; other machinery and equipment <input type="checkbox"/> 34 Engineering activities and related technical consultancy, specialised design activities and other professional, scientific and technical activities <input type="checkbox"/>
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Audit Team Leader/Audit Team		Name and Position	Role in Audit (<i>Sole Auditor, Team Leader, Auditor, Technical Specialist, etc</i>)
		[Name] Xu Jianwen <i>[Position] Auditor</i>	Sole Auditor
		[Name] <i>[Position]</i>	
		[Name] <i>[Position]</i>	
Audit Date	:	Sep, 24 th ., 2019	
Duration of Audit	:	One days	

Contents:		Page
1	Introduction	2
2	Assessment Summary and Conclusions	5
3	Audit information	9
4	Documentation Review and Assessment of Implementation (ATEX/IECEX QA Assessments only)	10
5	Audit detail	21
6	Forward Audit Programme (ISO 9001 Assessment only)	24
7	Additional Information and Disclaimers	26

1.2 List of Certificates (Not applicable to ISO 9001 only assessments)

Product Description	ATEX Certificate number	IECEX Certificate number
Ex d, EF1 Type Explosion-proof aluminium alloy LED lamp	LCIE 16 ATEX 3006	
Ex IS and OP, EH1/EH1S Type Explosion-Protected PC LED lamp	TUV IT 18 ATEX 059X	IECEX TPS 18.0024X

1.3 Critical suppliers

Name of Supplier	Critical item or service provided
SZ Fuhua precision Co., LTD.	Enclosure
Shen Zhen Shi De Yi Xin Electronics Co.,Ltd.	PCB
SZ Haibo New Energy Co., Ltd.	Li-on cells
SZ Xuhengguan Electronic Tech. Co., Ltd.	LED Light Source

2 Assessment Summary and Conclusions

2.1 Summary

SYSMAX Innovations Co., Ltd. do sale work mainly. The product is provided by Urnabeam illumination co., Ltd. Their products are used in group II and group I. The company currently hold ISO 9001:2015 certificate. The current scope of audit includes the products that refer to 1.2. The manufacture does assembly mainly. The current product information of audit includes Lights.

The manufacture has documented QMS requirements pertaining to ISO/IEC 80079 -34 by means of Quality Manual. They do cooperation very well. In this audit, There are in total 2 findings recorded during this audit. From this audit, It was found that the QMS of the manufacture need to improve in some field, in order to demonstrate good amount of compliance to ISO/IEC 80079 -34 requirements during next audits. Many measurements need to take to enhance the QMS. In this audit, because the manufacture can finish a good product, so it is recommended 'Certification to be issued' following satisfactory documentary evidence supporting effective corrective action.

2.2 ISO 9001 Certification

The manufacturer has the following ISO 9001 certification. *(if not ISO 9001 certified then the applicable clauses of ISO 80079-34 shall be fully addressed, and this section is to be removed)*

ISO 9001 certificate No	Certified by	Expiry date	Scope
QAIC/CN/185282	Q.A International Certification Co., Ltd	2021.10.25	The Design and Sales of LED Flashlight, LED Headlamp and Charger

If ISO 9001 certified, are non-conformities from latest ISO9001 audit reviewed?

Yes 1 No N/A (no NCs)

2.2.1 Comments to ISO 9001 non-conformities.

The findings is for the document management, the manufacture modify the procedure, close the finding.

2.3 General information

2.3.1 Summary of operations and activities, subcontracted work.

The SYSMAX Innovations Co., Ltd. only do sale of lights, it is easy to control.

2.3.2 Changes to the organisation

No Change

2.4 Use of marks and logos (notes)

(checklist to be completed at each assessment visit. Tick to confirm that each mark has been checked, do not tick if not applicable. Mandatory requirement)

<input type="checkbox"/>	ATEX Hexagon, only on ATEX products
<input checked="" type="checkbox"/>	CE Mark, only on equipment subject to applicable European directives-Yes
<input type="checkbox"/>	Notified body number, only on EC Type ATEX equipment and components (Cat 1 and 2 electrical, protective systems) Not Cat 2 non-electrical or Cat 3
<input type="checkbox"/>	IECEX logo, not used on equipment, marketing only if IECEX approval held
<input checked="" type="checkbox"/>	IECEX mark, only if licence issued by ExCB is held. Mark licence granted by each ExCB that has issued certificates.
<input type="checkbox"/>	Use of CML and UKAS marks for ISO 9001 certified clients (UKAS Mark only to be used in accordance with requirements of BEIS conditions of use of accreditation logo and symbols) (CML Mark only to be used in accordance with Certification Agreement ManSys requirements)

2.5 Recommended Audit Interval

Recommended audit interval (auditor recommendation)	:	[12 month] My recommendation is 12 months because customer is the new one, and should update the quality system from ISO/IEC 80079-34:2011 to ISO/IEC 80079-34:2018. [Location/s] Rm2601-06, Central Tower, No.5 Xiancun Road, Tianhe District, Guangzhou City, Guangdong Province, P. R. China Post Code: 510623
Non-conformities:	:	[0 of] Major [2 of] Minor Refer to Non-conformities form

2.6 Observations

The new standards was carried in short time, the manufacture have too much product, the subcontract working and training need to pay more attention.


2.7 Audit Team Leader Recommendations

<input type="checkbox"/>	Certification to be issued/maintained	Once satisfactory technical assessment of the product is completed and a test report is issued
<input type="checkbox"/>	Certification to be issued/maintained	No findings have been raised
<input type="checkbox"/>	Certification to be issued/maintained	Following receipt of satisfactory documentary evidence supporting effective corrective action, and a test report is issued. Corrective action to be verified at next surveillance visit
<input type="checkbox"/>	Certification to be issued/maintained	Following a satisfactory follow-up visit and verification that corrective actions have been effectively documented and implemented, and audit report issued.
<input checked="" type="checkbox"/>	Certification to be issued/maintained	Following submission of satisfactory proposed corrective actions and technical review. Corrective action to be formally verified at next visit.
<input type="checkbox"/>	Certification to be refused/suspended	A further complete assessment to be conducted
<input type="checkbox"/>	Certification to be refused/suspended	Close the application/withdraw the notification and inform the Scheme Administrator

2.8 Signatures

2.8.1 Audit Team Leader

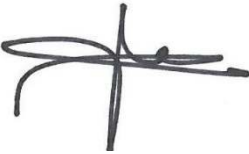
By signing the audit team leader confirms the accuracy of the report and that no consultancy services have been provided to the client

Audit Team Leader (name):	Xu Jianwen
Signature:	
Date:	Oct, 26 th , 2019

2.8.2 Technical Review (to be completed by Eurofins CML)


By signing this report the technical reviewer acknowledges that:

- the information provided by the audit team is sufficient with respect to the certification requirements and the scope for certification;
- any corrective actions that may have been raised have been reviewed, accepted and verified for all non-conformities that:
 - represent failure to fulfil one or more requirements of the management system standard;
 - raise significant doubt about the ability of the client's management system to achieve its intended outputs.
- the client's action plan for any other non-compliances have been reviewed and have been accepted.
- Agrees with the audit team leader's recommendation regarding certification.

Technical Reviewer (name):	Afsaneh Jafari
Signature:	
Date:	19/12/19

2.8.3 Certification Decision (to be completed by Eurofins CML)

By signing this report the certification decision maker agrees with the recommendation regarding certification made by the technical reviewer and audit team leader.

Certification Decision maker (name):	Afsaneh Jafari
Signature:	
Date:	07/01/2020

2.9 Date of next Audit (to be completed by Eurofins CML)

Date:	September 2020
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3 Audit information

3.1 Scope of Audit:

- Type A** initial assessment/reassessment of manufacturer with a certified QMS*
- Type B** initial assessment/reassessment of manufacturer without a certified QMS
- Type C** surveillance of manufacturer with a certified QMS*
- Type D** surveillance of manufacturer without a certified QMS
- Type E** initial assessment/surveillance/reassessment for ISO 9001 only

* where manufacturer has a certified quality system, include certification/registration body, date of registration, certificate No. and scope or append a copy of the certificate (including scope)

3.2 Audit criteria

The following documents were used as reference during the audit (*tick as appropriate*):

<input checked="" type="checkbox"/>	ISO/IEC 80079-34:2018
<input type="checkbox"/>	ISO 9001:2015
<input checked="" type="checkbox"/>	Directive 2014/34/EU (ATEX)
<input checked="" type="checkbox"/>	Client processes and documentation described in management system
<input type="checkbox"/>	(Any other documentation, amend as necessary)

3.3 Interviewed Representatives of Manufacturer (Auditee):

Name	Position	Opening Meeting ¹	Interviewed during audit	Closing Meeting ²
Tina Zhen	Assistant Manager of Sale Dept of SYSMAX	√	√	√
June Li	General Manage of SYSMAX	√	√	√
Leon Wang	Manager of QC Dept of SYSMAX	√	√	√
Chen MingYan	Manager of General Office of SYSMAX	√		√
Zhong Shichong	Manager of Tech. Dept of SYSMAX	√		√

¹ For opening meeting agenda items refer to audit handbook

² For closing meeting agenda items refer to audit handbook

4 Documentation Review and Assessment of Implementation (ATEX/IECEX QA Assessments only)

(For surveillance audits, major document changes only may be reviewed)

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
4.	Context of the Organization			
4.1	Understanding the Organization and its context	Y	The manufacture compile the Quality Manual (NC-QM-01), Rev. B/1. The QM is compiled according to EN ISO/IEC80079-34:2011. The new standard ISO/IEC80079-34:2018 is issued, the manufacture should update their QM in next audit.	
4.2	Understanding the needs and expectations of interested parties	Y	ISO9001 certificate cover this clause.	
4.3	Determining the scope of the quality management system	Y	ISO9001 certificate cover this clause.	
4.4	Quality management system and its processes	Y	The manufacture compiles the Quality Manual (NC-QM-01), Rev. B/1. The QM specify their Ex product should comply with the document approved.	
5.	Leadership			
5.1	Leadership and commitment	Y	ISO9001 certificate cover this clause.	
5.1.2	Customer focus	Y	ISO9001 certificate cover this clause.	
5.2	Policy	Y	The manufacture compiles the Quality Manual (NC-QM-01), Rev. B/1. In the QM, the manufacture their policy.	
5.2.1/2	Establishing and Communicating the quality policy	Y	ISO9001 certificate cover this clause.	

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
5.3	Organizational roles, responsibilities and authorities	Y	The manufacture compiles the Quality Manual (NC-QM-01, Rev. B/1). In the QM, a letter of appointment is issued, Mr. Leon Wang is approved to be responsible to manage the IECEX system and have the responsibility that standards specify.	
6.	Planning			
6.1	Action to address risks and opportunities	N/A	ISO9001 certificate cover this clause.	
6.2	Quality objectives and planning to achieve them	N/A	ISO9001 certificate cover this clause.	
6.3	Planning of changes	N/A	ISO9001 certificate cover this clause.	
7.	Support			
7.1	Resources	N/A	ISO9001 certificate cover this clause.	
7.1.2	People	N/A	ISO9001 certificate cover this clause.	
7.1.3	Infrastructure	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
7.1.4	Environment for the operation of processes	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
7.1.5	Monitoring and measuring resources	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
7.1.6	Organizational knowledge	N/A	ISO9001 certificate cover this clause.	

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
7.2	Competence	Y	<p>Procedure: «Human resources Management procedure» (Document No. NC-QP-08, Rev. B/1).</p> <p>Aug. 08th., 2018, the Mr. Leon Wang take part in the training provided by TUV SUD, a certificate is issued by TUV SUD .</p> <p>For the IEC 60079 series standards, the manufacture do not compile plan to do training. Next audit should check the training in this field.</p> <p>The manufacture specifies the requirement of their position in company. But the job qualification does not include the content of IECEx system. (Finding 01).</p>	01
7.3	Awareness	N/A	ISO9001 certificate cover this clause.	

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
7.4	Communication	Y	<p>For SYSMAX Innovations Co., Ltd.,</p> <p>Procedure: The Communication Management and Control Procedure (NC-QP-04, Rev. B/1),</p> <p>The manufacture can receive the certificate of the product from Urnabeam illumination co., Ltd., the Ex information are listed in the certificate. And when the SYSMAX need product, the manufacture issue product notification, and the Urnabeam illumination co., Ltd. should provide the product according to the notification.</p> <p>When the SYSMAX get the certificate, the manufacture send the Ex information to the sale Dep. and send E-mail to their client.</p>	
7.5	Documented Information	N/A	The drawing is kept only by the Urnabeam illumination co., Ltd.	
7.5.2	Creating and updating	N/A	ISO9001 certificate cover this clause.	
7.5.3	Control of documented Information	N/A	The drawing is kept only by the Urnabeam illumination co., Ltd.	
8.	Operation			
8.1	Operational planning and control	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.2	Requirements for products and services	Y	SYSMAX Innovations Co., Ltd is charg of sale. Procedure: Client Service Control procedure NC-QP-13, Rev. B/1	

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
8.2.1	Customer Communication	Y	The sale Dep. connect the client by E-mail. On site, check the agreement, the No. is 117545. The model of lighting is listed, the manufacture sent the client product manual, so the information can be checked by the client.	
8.2.2	Determining the requirements for products and services	Y	The manufacture sends an Ex product usage information to their client. The client known the special condition and Ex information in detail. The client can ensure the product comply with the client's requirement or not.	
8.2.3	Review of the requirements for products and services	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.2.4	Changes to requirements for products and services	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.3	Design and development of products and services		The Ex products is approved by CB.	
8.3.1	General	N/A		
8.3.2	Design and development planning	N/A		
8.3.3	Design and development inputs	N/A		
8.3.4	Design and development controls	N/A		
8.3.5	Design and development outputs	N/A		
8.3.6	Design and development changes	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.4	Control of externally provided processes, products and services			
8.4.1	General	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.4.2	Type and extent of control	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.5	Production and service provision			

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
8.5.1	Control of production and service provision	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.5.1	Control of production and service provision	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.5.2	Identification and traceability	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.5.3	Property belonging to customers or external providers	N/A		
8.5.4	Preservation	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.5.5	Post-delivery activities	N/A	ISO9001 certificate cover this clause.	
8.5.6	Control of changes	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.6	Release of products and services	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
8.7	Control of nonconforming outputs	Y	<p>Procedure: Document No. NC-QP-12, Rev. B/1</p> <p>If the non-conforming product is found, the manufacture will take the method that comply with ISO/IEC80079-34. And will inform the CB.</p> <p>There was no any record about NC parts or concessions issued related to IECEX product.</p>	
9	Performance evaluation			
9.1	Monitoring, measurement, analysis and evaluation	N/A	ISO9001 certificate cover this clause.	
9.1.2	Customer satisfaction	N/A	ISO9001 certificate cover this clause.	
9.1.3	Analysis and evaluation	N/A	ISO9001 certificate cover this clause.	

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
9.2	Internal audit	Y	<p>Procedure: Internal audit control procedure (Document No. NC-QP-14, Rev. B/1)</p> <p>The internal audit should be done in 12 months, the latest audit was finished at Sep. 25th., 2018.</p> <p>A content of IEC80079-34 was checked.</p>	
9.3	Management review	Y	<p>Procedure: Management review control procedure (Document No. NC-QP-09, Rev. B/1)</p> <p>The internal audit should be done in 12 months, the latest audit was finished at Aug. 24th., 2019.</p> <p>For Urnabeam illumination co., ltd.:</p> <p>Procedure: Management review control procedure (Document No. Document No. UR-QP-08, Rev. B/0)</p> <p>The manufacture should do assessment in 12 month. The latest management is done at June, 20th., 2019</p>	
9.3.2	Management review inputs	Y	<p>The latest management evaluation specifies the content of input. Check the last management evaluation, the input does not include the result of IECEX/ ATEX audit. (Finding 02)</p>	02
9.3.3	Management review outputs	Y	<p>The latest management evaluation specify the content of input. Check the last management evaluation, the manufacture think their ATEX/IECEX quality system is OK.</p>	

EN IEC 80079-34 clauses		Assessed (Y, N or N/A)	Manufacturer's Doc. Ref. List document(s) viewed, with revision status, and Comments List any pertinent details / compliance with requirements of clause	Finding Ref.
10	Improvement			
10.2	Nonconformity and corrective action	N/A	ISO9001 certificate cover this clause.	
10.3	Continual improvement	N/A	ISO9001 certificate cover this clause.	

Annex A: EN/IEC 80079-34 Information relevant to particular types of protection

A.2	General - Material composition of (parts of) enclosures	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.3 Ex d - flameproof enclosures			The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.3.1	Verification – visual inspection and measurement	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.3.2	Castings		N/A	
A.3.3	Machining	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.3.4	Cemented joints and potted assemblies	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.3.5	Routine overpressure testing	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.3.5.2	Batch testing		N/A	
A.3.5.3	Welded construction	N/A	No welded construction.	
A.3.6	Flanged joints	N/A	No flanged joints	
A.3.7	Elements with non-measurable paths, of breathing and draining devices		N/A	
A.4 Ex i - intrinsic safety covered by IEC60079-11			The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.4.1	Components for intrinsically safe products	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.4.2	Printed circuit boards (PCB)	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	

A.4.2.1	Non-populated PCB's	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.4.2.2	Populated PCB's	N/A		
A.4.3	Sub-assemblies and assemblies	N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.4.4	Enclosures for Group III or reduced spacing	N/A	Not Group III.	
A.4.5	Routine verifications and tests	N/A		
A.4.6	Intrinsically safe circuits and assemblies incorporated in Ex equipment of other types of protection	N/A		
A.5 Ex e – increased safety covered by IEC 60079-7				
A.5.1	Ingress protection (IP)			
A.5.2	Internal wiring and contact integrity			
A.5.3	Rotating machines			
A.5.4	Windings			
A.5.5	Terminal boxes			
A.5.6	Cable glands terminals & other accessories			
A.5.7	Routine verifications and tests			
A.6 Ex p – pressured apparatus covered by IEC 60079-2				
A.6.1	Ingress protection (IP)			
A.6.2	Components and manufacturing process			
A.6.3	Components, constructional characteristics			
A.6.4	Routine verifications and tests			
A.7 Ex m – Encapsulation covered by IEC 60079-18				
A.7.1	Production documentation			
A.7.2	Routine verifications and tests			
A.8 Ex o – oil immersion- Liquid immersion covered by IEC 60079-6				
A.8.1	Material control			
A.8.2	Filling			
A.8.3	Ingress protection			
A.8.4	Routine verifications and tests			
A.9 Ex q – powder filling covered by IEC 60079-5				
A.9.1	Material control			
A.9.2	Filling			

A.9.3	Ingress protection (IP)			
A.9.4	Routine verifications and tests			
A.10	Equipment covered by IEC 60079-15			
A.10.1	Routine dielectric strength test			
A.10.2	Ex nA – Non-sparking equipment			
A.10.2.1	Circuit boards (PCBs)			
A.10.2.2	Terminal and internal wiring			
A.10.3	Ex nC – Sealed devices			
A.10.4	Ex nR – Restricted Breathing			
A.10.4.1	General requirements			
A.10.4.2	Cable Glands			
A.10.4.3	Plunger actuators, shafts and axles			
A.10.4.4	Test equipment			
A.10.4.5	Routine Tests			
A.11	Ex t Dust ignition protection by enclosure covered by IEC 60079-31			
A.11.1	Casting			
A.11.2	Enclosure parts			
A.11.3	Gaskets			
A.11.4	Protection devices			
A.11.5	Cemented and cast enclosure parts			
A.11.6	Ingress protection			
A.11.7	Routine verification and tests			
A.12	Ex op-optical radiation covered by IEC 60079-28			
		N/A	The SYSMAX Innovations Co., Ltd. do sale work mainly	
A.13	Gas detectors covered by IEC 60079-29			
A.14	Ex h – Non-electrical Equipment covered by ISO 80079-36			
A.14.2	Non-metallic parts			
A.14.3	Casing and external parts			
A.14.4	Earthing and equipotential bonding of conductive parts			
A.14.5	Light transmitting parts			
A.14.6	Ingress protection (IP)			
A.15	Non-Electrical Equipment protected by constructional safety “c” covered by ISO 80079-37			

A.15.2	Metal-based material			
A.15.3	Machining			
A.15.4	Cemented joints and potted assemblies			
A.15.5	Assembling			
A.15.6	Routine tests			
A.15.7	Power transmission systems			
A.16	<i>Non-electrical equipment protected by control of ignition sources "b" covered by ISO 80079-37</i>			
A.16.2	Ignition protection system			
A.16.3	Assembling			
A.16.4	Routine verifications and tests			
A.17	<i>Non-electrical equipment protected by liquid immersion "k" covered by ISO 80079-37</i>			
A.17.2	Protective liquid			
A.17.3	Casing			
A.17.4	Measuring or indicating devices			
A.18	<i>Flame arresters covered by ISO 16852</i>			

5 Audit detail

5.1 Summary of ISO 9001 parts covered by this assessment

Opening meeting	✓
Closing meeting	✓
Management of Change (organisational system and context)	✓
Management Review	✓
Internal Audits	✓
Customer feedback and corrective action	✓
Use of Logo (CML & Accreditation Marks)	✓
Performance against the client management system objective with continual improvement	✓
KeyBusiness Process 1 as defined in 5.4	
KeyBusiness Process 2 as defined in 5.4	
KeyBusiness Process 3 as defined in 5.4	
...	

5.2 Outstanding previous audit non-conformities/findings

Confirm that the corrective action has been implemented and the finding can be closed. Refer to findings from previous audit.

5.3 Management processes

Organisational context, interested parties, strategy, policies and objectives, management system documentation, management review, statutory compliance requirements, customer feedback, improvement initiatives, roles, responsibilities, internal audit, preventive and corrective action, KPI measurement (detailing audit trails, objective evidence, interviewees and process implementation effectiveness).

5.4 Business processes

Sales and marketing, purchasing, engineering, goods receiving, production, verification, storage, service and repair, despatch, document control, HR, equipment control/calibration, IT etc (detailing audit trails, objective evidence, interviewees and process implementation effectiveness).



IECEX
QUALITY ASSESSMENT REPORT



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IECEX QAR Reference No: GB/CML/QAR20.0003

Audit report Reference No: R12869A/00

5.5 Recertification focus/planning review (For use on ISO 9001 focus visit only)

Review performance of the management system over the current certification cycle to determine and confirm recertification visit duration and assessment programme.

6 Forward Audit Programme (ISO 9001 Assessment only)

Visit Type	Stage 1	Stage 2	SV1	SV2	SV3	SV4	Focus visit	Certificate Renewal
Due Date								
Start Date								
End Date								
Audit Days								
Separate assessment plan? (only for teams or multiple day visits)	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
Any change in workforce numbers that may impact visit duration (if yes add new number)	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
Where identified above see separate current assessment plan for further detail.								
Process / aspect / theme / location								
<i>Final selection will be determined after review of management elements and actual performance</i>								
Opening meeting	✓	✓	✓	✓	✓	✓	✓	✓
Closing meeting	✓	✓	✓	✓	✓	✓	✓	✓
Management of Change (organisational system and context)	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
Management Review	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
Internal Audits	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
Customer feedback and corrective action	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
Use of Logo (CML & Accreditation Marks)	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM

Visit Type	Stage 1	Stage 2	SV1	SV2	SV3	SV4	Focus visit	Certificate Renewal
Performance against the client management system objective with continual improvement	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
Process 1	AM/PM	AM/PM	TBC					TBC
Process 2	AM/PM	AM/PM	TBC					TBC
Process 3	AM/PM	AM/PM	TBC					TBC
Process 4	AM/PM	AM/PM		TBC				TBC
Process 5	AM/PM	AM/PM		TBC				TBC
...								

7 Additional Information and Disclaimers

7.1 Opportunities for improvement

If we identify opportunities to improve your already compliant system, we will either record them in the process table applicable to the area being assessed or in the audit summary of the report if they can deliver improvement at a strategic level.

7.2 Confidentiality

We will treat the contents of this report, together with any notes made during the visit, in the strictest confidence and will not disclose them to any third party without written client consent, except as required by the accreditation authorities.

7.3 Sampling

The assessment process relies on taking a sample of the activities of the business, this uses representative examples and is not statistically based. Not all of activities of a business may be sampled in a detailed nature, so if no issues are raised in a particular process it does not necessarily mean that there are no issues and, if issues are raised, it does not necessarily mean that these are the only issues.

7.4 Legal entity

The accredited legal entity and client facing office that has provided the assessment service in this report is referenced in the applicable agreement for this service.

7.5 Generic audit objectives and team responsibilities

The generic audit objectives and team responsibilities are included in the Forward Audit Programme (ISO 9001 Assessment only). Any visit specific objectives for the next visit will be recorded in the report of the previous visit and will be addressed through the visit plan for that visit. The assessment standard and roles of the audit team are defined in the assessment visit confirmation sent to the client.

7.6 Audit Criteria

The audit criteria consist of the assessment standard and the client's management system processes and documentation.

7.7 Additional observers

Any additional observers will be as formally communicated to the client.

- End of report -