



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx VTT 11.0004X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2011-04-05** Page 1 of 3

Applicant: **Labkotec Oy**
Myllyhaantie 6
FI-33960 Pirkkala
Finland

Electrical Apparatus: **Junction box**
Optional accessory:

Type of Protection: **Ex ia**

Marking: **LJB2-78-83/ LJB3-78-83:**
Ex ia IIC T5/T6 Ga
T6: Tamb = -40°C ... +60°C
T5: Tamb = -40°C ... +85°C
LJB22-78-83:
Ex ia IIB T5/T6 Ga
T6: Tamb = -40°C ... +60°C
T5: Tamb = -40°C ... +85°C

Approved for issue on behalf of the IECEx Certification Body: **Risto Sulonen**

Position: **Team Leader**

Signature:
(for printed version)

Date:

5.4.2011

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

VTT Expert Services Ltd.
Otakaari 7 B, Espoo
P.O.Box 1001
FI-02044 VTT
Finland



VTT EXPERT SERVICES LTD



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Manufacturer: **Labkotec Oy**
Myllyhaantie 6
FI-33960 Pirkkala
Finland

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-0 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FI/VTT/ExTR11.0003/00

Quality Assessment Report:

FI/VTT/QAR10.0002/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

LJB2-78-83, LJB3-78-83 or LJB22-78-83

CONDITIONS OF CERTIFICATION: YES as shown below:

The allowed ambient temperature range is -40°C ... $+60^{\circ}\text{C}$ for temperature class T6.
The allowed ambient temperature range is -40°C ... $+85^{\circ}\text{C}$ for temperature class T5.
There is ignition hazard if the enclosure is subjected to impact or friction.
The gas group for the junction box type LJB22 is IIB.
The gas group for the junction box types LJB2 or LJB3 is IIC.