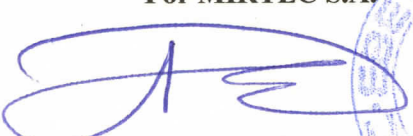


**CERTIFICATE****TYPE APPROVAL ACCORDING TO THE  
DIRECTIVE 2010/35/EU & ADR 2017****Approval No:** MIRTEC1-01-8765CER12.2091800370**Certificate No :** MIRTEC1-01-8765CER12.2091800370**Notification No of the Certification Body:** 0437**Date of Issue:** 25.09.2018**Type Examination Report No:** RPT12.2091800370**Name and Address of the Manufacturing Plant:** Zhejiang Kin-Shine Technology Co. Ltd.  
No. 1199, East Guangfu Street, Dongyang Economic  
Development Zone, Dongyang City, Zhejiang Province,  
322100 P.R. China**Applied Standards:** EN ISO 11118:2015**Product Type:** Non-refillable welded steel gas cylinders  
with bursting disc and valve, type EC-13E**Validity of the Certificate:** 24.09.2028**Declaration**

**This is to certify that the type mentioned above satisfies the provisions of the Directive 2010/35/EU and ADR 2017 agreement, which apply to it. The applicant must inform the notified body of all modifications to the approved transportable pressure equipment.**

**ANNEX:** List of relevant parts of technical documentation – Technical Annex and drawings (8 pages) / assembly drawing No EC244-13E-45-00 Rev.0 2018.05.29.

**For MIRTEC S.A.****For the Evaluation Dpt.**Inspection  
Cert. No 28  
**Mr. A. Stamou**  
Certification Manager  
**Dr. K. Diamanti**  
Mechanical EngineerEBETAM A.E.  
CERT-tped/EN01(5.0-18.1.12)

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**ANNEX OF MODULE B TYPE EXAMINATION CERTIFICATE****Date of Issue:** 25.09.2018**Certificate No:** MIRTEC1-01-8765CER12.2091800370

Product Description	Non Refillable Welded Steel Cylinders with Valve and Safety Valve EC-13E
Applied Standard	EN ISO 11118:2015
Contents	Compressed gas UN1046 He, Liquefied gases UN1028 R12, UN1030 R152a, UN1958 R114, UN1969 isobutane
Material	SPCC according to Q/BQB 408 and EN10130
Volume	13 L
Test Pressure	45 bar
Maximum operating pressure	30 bar for compressed gases
Min bursting pressure	72 bar
Safety device set pressure	48 - 58 bar
Max/Min Allowable Temperature	-20 to +65 °C
Drawing No	Assembly EC244-13E-45-00 REV.0 2018.05.29 Bottom cylinder body EC244-13E-45-01 REV.0 2018.05.29 Upper cylinder body EC244-13E-45-02 REV.0 2018.05.29 Handle EC244-13E-45-03 REV.0 2018.05.29 Markings EC244-13E-45-00MK REV.0 2018.05.29 Bursting disc HJB20-5.6 2017.04.10 Non refillable valve FCF-7-II-00 REV.0 2010.06.08 Cixi city kai ji valve Co. Ltd.
Main Dimensions	Diameter 244 mm Overall length 417 mm Minimum thickness 1.34 mm
Capacity	13.0 L

**For the Evaluation Dpt.**  
Dr. Kalliopi Diamanti  
Mechanical Engineer