

Certificate

Supervision of manufacture and initial inspection and test

according to 1.8.7.3 und 1.8.7.4 ADR/RID 2025

Certificate-No.:

01 230 CHN/M-25 0310

Applicant:

Shanghai ETERNAL FAITH Industry Co., Ltd.
Room 220, Area A, No.40, Lane 689, LuoFen Road,
Baoshan, Shanghai, P.R. China 201908

Manufacturer:

Same as applicant

We hereby certify that the below mentioned type and each equipment meets the requirements of the Dir. 2010/35/EU in compliance with ADR/RID and the referenced standards are fulfilled.

The transportable pressure equipment were provided after the initial inspection with the conformity mark of the Directive, the registered identification number and the registered mark of the Notified Body.

Marking:

Π 0035 and 

Specifications:

Directive 2010/35/EU, in compliance with ADR/RID 2025 and EN ISO 9809-1:2019

Description of the type approval:

Type approval no.: 01 230 644/B-23 2199, end of period: 11/2033.

130 pcs, Refillable seamless steel gas cylinders, Volume 10L, Diameter 140 mm, Test Pressure 300 bar, Working Temperature -50°C /+65°C.

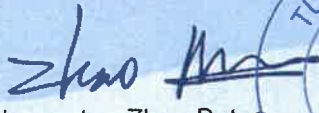
Batch-no.: 25A1080.

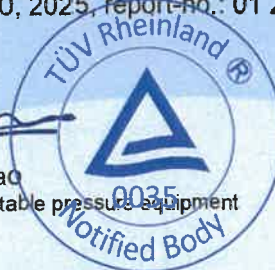
Serial-no.: The details see the report.

Report-No.:

This certificate is valid only in accordance with the test reports about the supervision of manufacture and the initial inspection and test: Oct. 09 ~ 10, 2025, report-no.: 01 230 CHN/M-279293-1025-0310.

Shanghai, Oct. 24, 2025


Inspector: Zhao Botao
Notified body for transportable pressure equipment



TÜV Rheinland Industrie Service GmbH
Am Grauen Stein, 51105 Cologne, Germany
Notified body for transportable pressure equipment (NB 0035)
Competent authority: Zentralstelle der Länder für Sicherheitstechnik (ZLS), Deutschland
Accredited acc. to DIN EN ISO/IEC 17020:2012 (Nr.: D-IS-11052-03-00)

N-036-E rev.12

Certificate



Attachment No: **1**
belongs to Test Report No:
M-25 0310

Type approval

for manufacturing of transportable pressure equipment

Certificate-No.: **01 230 644/B-23 2199**

Applicant: Shanghai ETERNAL FAITH Industry Co., Ltd.
Room 220, Area A, No.40, Lane 689, LuoFen Road,
BaoShan, Shanghai, P.R. China 201908

Manufacturer: See Applicant

It is confirmed that the described type is in compliance with
the requirements of the directive 2010/35/EU.

Applicable provisions
and standards: Dir. 2010/35/EU, in compliance with ADR/RID 2023
and EN ISO 9809-1:2019

Description of
the type: Refillable seamless steel gas cylinder for compressed and
liquefied gases, Type ISO140-34CrMo-00,
Volume 3.4 L – 14 L, Diameter 140 mm,
Working pressure 230 bar, Test pressure 345 bar,
Working temperature -50°C / + 65°C

Report-No.: This approval is based on the results of the
type examination report:
CHN/B-230046-R dated November 23, 2023

Drawing No.: SEF22/13-00

Chemical compatibility: The evaluation of the chemical compatibility according to
ISO 11114-1:2020 is not part of the type approval

Validity: This approval is valid for a period
not exceeding 10 years.
End of period: 11/2033

Halle, 15/12/2023

on behalf

Dipl.-Ing. Stefan Brandt
Notified body for transportable pressure equipment



TÜV Rheinland Industrie Service GmbH
Notified body for transportable pressure equipment (NB 0035)
Am Grauen Stein, 51105 Köln, Germany

MS-0002018 N-034-E rev.11

10/201 10.17 E A4 © TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

TPED Declaration of conformity

according to Directive 2010/35/EU

for a transportable pressure equipment

The manufacturer

Shanghai Eternal Faith Industry CO., LTD.

Room 220.Area A,No.40.Lane 689,LuoFen Road,BaoShan,P.R.China 201908

herewith declares, that the transportable pressure equipment

Description:	Seamless steel gas cylinders
Type-, Serial-, Identification-No:	ISO140-34CrMo-00, dated 2023-12-15
[25Al080001-25Al080132]	(Not include:25Al080131,25Al080132), 130PCS
Allowable max./min. temperature TS:	-50/+65 °C
Volume V:	10L
Date of manufacturing:	10/10/2025
Test pressure PH:	300 bar
Test fluid:	water



corresponds to the Transportable Pressure Equipment Directive 2010/35/EU.

Applied conformity assessment

Procedures: Type approval + Initial inspection tests

Applied standards and technical

Specifications: EN ISO 9809-1:2019

Other applied EC-Directives: --

Engaged notified bodies:

Surveillance of the QS-System: --ISO9001 Certification number :
01 100 1430568

Examination/inspections/test TUV Rheiniand Cert GmbH Am Grauen Stein .51105 Koin
2023-12-23 to 2026-12-22

During manufacturing: TUV Rheiniand(Shanghia)Co.,Ltd

Certificates which are included

EC-Design Examination Certificate No.: --

EC-Type Examination Certificate No.: 01 230 644/B-23 2199

EC-Certificate of conformity No.: --

Location, Date:

Shanghai,20/10/2025

Wang Xing
Signature

Product Ref.: IS0140-34CrMo-00		Production lot number:			25A1080		Quantity:		130	Page 1 of 4	
Test date	Serial No.	(kg)Weight (Water) (kg)	The weight without valve&cap (kg)	Volumetric Capacity (L)	Test Pressure (Bar)	Temperature (°C)	(s)Holding Time (s)	Total expansion (ml)	Permanent expansion (ml)	Percent of Permanent to totalexpansion (%)	Abnormal bottle condition
2025.10.9	25A1080001	22.7	12.7	10.0	300	14	30	28.4	0.5	1.8	None
2025.10.9	25A1080002	22.7	12.7	10.0	300	14	30	29.7	1.0	3.4	None
2025.10.9	25A1080003	22.7	12.7	10.0	300	14	30	30.3	0.5	1.7	None
2025.10.9	25A1080004	22.7	12.7	10.0	300	14	30	29.8	0.9	3.0	None
2025.10.9	25A1080005	22.7	12.7	10.0	300	14	30	30.1	0.4	1.3	None
2025.10.9	25A1080006	22.7	12.7	10.0	300	14	30	27.2	1.0	3.7	None
2025.10.9	25A1080007	22.7	12.7	10.0	300	14	30	32.5	0.9	2.8	None
2025.10.9	25A1080008	22.7	12.7	10.0	300	14	30	28.8	1.1	3.8	None
2025.10.9	25A1080009	22.8	12.8	10.0	300	14	30	28.6	0.9	3.1	None
2025.10.9	25A1080010	22.7	12.7	10.0	300	14	30	30.3	0.5	1.7	None
2025.10.9	25A1080011	22.7	12.7	10.0	300	14	30	30.3	0.8	2.6	None
2025.10.9	25A1080012	22.7	12.7	10.0	300	14	30	31.5	0.9	2.9	None
2025.10.9	25A1080013	22.9	12.7	10.2	300	14	30	30.2	0.8	2.6	None
2025.10.9	25A1080014	22.7	12.7	10.0	300	14	30	28.5	0.9	3.2	None
2025.10.9	25A1080015	22.7	12.7	10.0	300	14	30	30.5	0.6	2.0	None
2025.10.9	25A1080016	23.0	12.9	10.1	300	14	30	27.0	0.7	2.6	None
2025.10.9	25A1080017	22.7	12.7	10.0	300	14	30	31.4	1.1	3.5	None
2025.10.9	25A1080018	22.7	12.7	10.0	300	14	30	32.8	1.1	3.4	None
2025.10.9	25A1080019	22.7	12.7	10.0	300	14	30	31.3	0.4	1.3	None
2025.10.9	25A1080020	22.7	12.7	10.0	300	14	30	31.1	1.1	3.5	None
2025.10.9	25A1080021	22.7	12.7	10.0	300	14	30	28.0	0.4	1.4	None
2025.10.9	25A1080022	22.7	12.7	10.0	300	14	30	29.0	0.7	2.4	None
2025.10.9	25A1080023	22.9	12.7	10.2	300	14	30	31.2	0.5	1.6	None
2025.10.9	25A1080024	22.7	12.7	10.0	300	14	30	27.5	1.2	4.4	None
2025.10.9	25A1080025	22.9	12.9	10.0	300	14	30	31.3	1.2	3.8	None
2025.10.9	25A1080026	22.7	12.7	10.0	300	14	30	33.0	0.6	1.8	None
2025.10.9	25A1080027	22.7	12.7	10.0	300	14	30	27.5	1.0	3.6	None
2025.10.9	25A1080028	23.0	12.8	10.2	300	14	30	30.2	1.0	3.3	None
2025.10.9	25A1080029	22.7	12.7	10.0	300	14	30	28.2	1.0	3.5	None
2025.10.9	25A1080030	22.7	12.7	10.0	300	14	30	27.1	0.6	2.2	None
2025.10.9	25A1080031	22.7	12.7	10.0	300	14	30	31.6	0.5	1.6	None
2025.10.9	25A1080032	22.8	12.7	10.1	300	14	30	31.0	0.7	2.3	None
2025.10.9	25A1080033	22.7	12.7	10.0	300	14	30	29.6	1.1	3.7	None
2025.10.9	25A1080034	22.7	12.7	10.0	300	14	30	28.3	0.9	3.2	None
2025.10.9	25A1080035	22.8	12.8	10.0	300	14	30	30.0	1.0	3.3	None
2025.10.9	25A1080036	22.7	12.7	10.0	300	14	30	28.5	0.9	3.2	None
2025.10.9	25A1080037	22.9	12.9	10.0	300	14	30	30.3	0.9	3.0	None
2025.10.9	25A1080038	22.7	12.7	10.0	300	14	30	32.3	1.1	3.4	None
2025.10.9	25A1080039	22.8	12.7	10.1	300	14	30	28.3	1.1	3.9	None
2025.10.9	25A1080040	22.8	12.7	10.1	300	14	30	30.1	0.5	1.7	None
2025.10.9	25A1080041	22.7	12.7	10.0	300	14	30	29.1	0.6	2.1	None
2025.10.9	25A1080042	22.7	12.7	10.0	300	14	30	27.8	0.7	2.5	None

Product Ref.: IS0140-34CrMo-00		Production lot number:			25A1080		Quantity:		130	Page 2 of 4	
Test date	Serial No.	(kg)Weight (Water) (kg)	The weight without valve&cap (kg)	Volumetric Capacity (L)	Test Pressure (Bar)	Tempera ture (°C)	(s)Holdin g Time (s)	Total expansion (ml)	Permanent expansion (ml)	Percent of Permanent to totalexpansi on (%)	Abnormal bottle condition
2025.10.9	25A1080043	22.7	12.7	10.0	300	14	30	31.1	0.4	1.3	None
2025.10.9	25A1080044	22.9	12.9	10.0	300	14	30	29.1	1.2	4.1	None
2025.10.9	25A1080045	22.7	12.7	10.0	300	14	30	27.6	0.5	1.8	None
2025.10.9	25A1080046	22.9	12.7	10.2	300	14	30	28.7	1.1	3.8	None
2025.10.9	25A1080047	22.7	12.7	10.0	300	14	30	31.7	0.4	1.3	None
2025.10.9	25A1080048	22.7	12.7	10.0	300	14	30	30.8	0.6	1.9	None
2025.10.9	25A1080049	22.7	12.7	10.0	300	14	30	31.8	0.5	1.6	None
2025.10.9	25A1080050	22.8	12.8	10.0	300	14	30	28.8	0.7	2.4	None
2025.10.9	25A1080051	22.7	12.7	10.0	300	14	30	27.5	0.4	1.5	None
2025.10.9	25A1080052	22.7	12.7	10.0	300	14	30	31.2	1.1	3.5	None
2025.10.9	25A1080053	22.7	12.7	10.0	300	14	30	28.9	1.1	3.8	None
2025.10.9	25A1080054	22.8	12.7	10.1	300	14	30	30.0	0.6	2.0	None
2025.10.9	25A1080055	22.7	12.7	10.0	300	14	30	29.3	1.0	3.4	None
2025.10.9	25A1080056	22.7	12.7	10.0	300	14	30	30.2	0.8	2.6	None
2025.10.9	25A1080057	22.9	12.8	10.1	300	14	30	27.9	0.6	2.2	None
2025.10.9	25A1080058	22.7	12.7	10.0	300	14	30	27.3	0.5	1.8	None
2025.10.9	25A1080059	22.7	12.7	10.0	300	14	30	30.0	0.4	1.3	None
2025.10.9	25A1080060	22.7	12.7	10.0	300	14	30	29.3	0.5	1.7	None
2025.10.9	25A1080061	22.7	12.7	10.0	300	14	30	30.4	0.5	1.6	None
2025.10.9	25A1080062	22.7	12.7	10.0	300	14	30	30.9	0.5	1.6	None
2025.10.9	25A1080063	22.7	12.7	10.0	300	14	30	30.0	0.7	2.3	None
2025.10.9	25A1080064	22.7	12.7	10.0	300	14	30	32.8	0.6	1.8	None
2025.10.9	25A1080065	22.9	12.9	10.0	300	14	30	30.7	0.7	2.3	None
2025.10.9	25A1080066	22.9	12.7	10.2	300	14	30	32.0	1.0	3.1	None
2025.10.9	25A1080067	22.7	12.7	10.0	300	14	30	28.2	0.6	2.1	None
2025.10.9	25A1080068	22.7	12.7	10.0	300	14	30	28.2	1.0	3.5	None
2025.10.9	25A1080069	22.7	12.7	10.0	300	14	30	31.6	0.6	1.9	None
2025.10.9	25A1080070	22.7	12.7	10.0	300	14	30	29.2	0.8	2.7	None
2025.10.9	25A1080071	22.7	12.7	10.0	300	14	30	28.4	0.6	2.1	None
2025.10.9	25A1080072	23.1	12.9	10.2	300	14	30	29.6	0.5	1.7	None
2025.10.9	25A1080073	22.7	12.7	10.0	300	14	30	29.3	0.6	2.0	None
2025.10.9	25A1080074	22.8	12.8	10.0	300	14	30	27.9	1.0	3.6	None
2025.10.9	25A1080075	22.7	12.7	10.0	300	14	30	32.8	1.0	3.0	None
2025.10.9	25A1080076	22.7	12.7	10.0	300	14	30	29.2	0.9	3.1	None
2025.10.9	25A1080077	22.7	12.7	10.0	300	14	30	27.8	0.4	1.4	None
2025.10.9	25A1080078	22.7	12.7	10.0	300	14	30	31.0	1.1	3.5	None
2025.10.9	25A1080079	22.8	12.8	10.0	300	14	30	27.0	0.5	1.9	None
2025.10.9	25A1080080	22.7	12.7	10.0	300	14	30	32.6	0.8	2.5	None
2025.10.9	25A1080081	22.7	12.7	10.0	300	14	30	33.0	0.7	2.1	None
2025.10.9	25A1080082	22.8	12.7	10.1	300	14	30	31.6	1.1	3.5	None
2025.10.9	25A1080083	22.7	12.7	10.0	300	14	30	27.7	1.1	4.0	None
2025.10.9	25A1080084	22.7	12.7	10.0	300	14	30	29.8	0.6	2.0	None

Product Ref.: IS0140-34CrMo-00		Production lot number:			25A1080		Quantity:		130	Page 3 of 4	
Test date	Serial No.	(kg)Weight (Water) (kg)	The weight without valve&cap (kg)	Volumetric Capacity (L)	Test Pressure (Bar)	Tempera ture (℃)	(s)Holdin g Time (s)	Total expansion (ml)	Permanent expansion (ml)	Percent of Permanent to totalexpansi on (%)	Abnormal bottle condition
2025.10.9	25A1080085	22.8	12.7	10.1	300	14	30	28.1	0.8	2.8	None
2025.10.9	25A1080086	22.7	12.7	10.0	300	14	30	27.8	0.7	2.5	None
2025.10.9	25A1080087	22.7	12.7	10.0	300	14	30	27.1	1.1	4.1	None
2025.10.9	25A1080088	22.7	12.7	10.0	300	14	30	30.5	0.9	3.0	None
2025.10.9	25A1080089	22.9	12.9	10.0	300	14	30	28.9	0.8	2.8	None
2025.10.9	25A1080090	22.7	12.7	10.0	300	14	30	32.4	1.2	3.7	None
2025.10.9	25A1080091	22.7	12.7	10.0	300	14	30	30.2	0.5	1.7	None
2025.10.9	25A1080092	22.7	12.7	10.0	300	14	30	32.1	1.1	3.4	None
2025.10.9	25A1080093	22.7	12.7	10.0	300	14	30	28.7	0.5	1.7	None
2025.10.9	25A1080094	22.7	12.7	10.0	300	14	30	28.1	0.5	1.8	None
2025.10.9	25A1080095	22.9	12.7	10.2	300	14	30	32.0	1.1	3.4	None
2025.10.9	25A1080096	23.0	12.8	10.2	300	14	30	27.7	0.4	1.4	None
2025.10.9	25A1080097	22.7	12.7	10.0	300	14	30	30.8	0.9	2.9	None
2025.10.9	25A1080098	22.7	12.7	10.0	300	14	30	27.3	0.9	3.3	None
2025.10.9	25A1080099	22.7	12.7	10.0	300	14	30	29.2	0.5	1.7	None
2025.10.9	25A1080100	22.7	12.7	10.0	300	14	30	30.9	0.9	2.9	None
2025.10.9	25A1080101	22.8	12.7	10.1	300	14	30	31.7	0.8	2.5	None
2025.10.9	25A1080102	22.8	12.7	10.1	300	14	30	28.1	1.1	3.9	None
2025.10.9	25A1080103	22.7	12.7	10.0	300	14	30	28.3	1.0	3.5	None
2025.10.9	25A1080104	22.8	12.8	10.0	300	14	30	28.0	0.9	3.2	None
2025.10.9	25A1080105	22.8	12.8	10.0	300	14	30	31.6	1.1	3.5	None
2025.10.9	25A1080106	22.7	12.7	10.0	300	14	30	31.5	1.1	3.5	None
2025.10.9	25A1080107	22.7	12.7	10.0	300	14	30	30.9	0.4	1.3	None
2025.10.9	25A1080108	22.7	12.7	10.0	300	14	30	29.5	0.9	3.1	None
2025.10.9	25A1080109	22.7	12.7	10.0	300	14	30	30.4	0.7	2.3	None
2025.10.9	25A1080110	22.7	12.7	10.0	300	14	30	32.4	0.9	2.8	None
2025.10.9	25A1080111	22.7	12.7	10.0	300	14	30	29.4	0.5	1.7	None
2025.10.9	25A1080112	22.9	12.9	10.0	300	14	30	30.2	1.1	3.6	None
2025.10.9	25A1080113	22.7	12.7	10.0	300	14	30	30.5	0.9	3.0	None
2025.10.9	25A1080114	22.7	12.7	10.0	300	14	30	27.9	1.0	3.6	None
2025.10.9	25A1080115	22.7	12.7	10.0	300	14	30	29.8	0.4	1.3	None
2025.10.9	25A1080116	22.7	12.7	10.0	300	14	30	29.3	0.7	2.4	None
2025.10.9	25A1080117	22.7	12.7	10.0	300	14	30	31.8	1.1	3.5	None
2025.10.9	25A1080118	22.8	12.8	10.0	300	14	30	28.5	1.1	3.9	None
2025.10.9	25A1080119	22.8	12.7	10.1	300	14	30	33.0	0.6	1.8	None
2025.10.9	25A1080120	22.7	12.7	10.0	300	14	30	29.7	0.9	3.0	None
2025.10.9	25A1080121	22.7	12.7	10.0	300	14	30	27.9	0.9	3.2	None
2025.10.9	25A1080122	22.8	12.8	10.0	300	14	30	31.9	1.1	3.4	None
2025.10.9	25A1080123	22.7	12.7	10.0	300	14	30	31.6	1.0	3.2	None
2025.10.9	25A1080124	22.9	12.7	10.2	300	14	30	33.0	1.1	3.3	None
2025.10.9	25A1080125	22.7	12.7	10.0	300	14	30	31.7	0.9	2.8	None
2025.10.9	25A1080126	22.7	12.7	10.0	300	14	30	27.9	1.1	3.9	None

Product Ref.: ISO140-34CrMo-00		Production lot number:			25A1080		Quantity:		130	Page 4 of 4	
Test date	Serial No.	(kg)Weight (Water) (kg)	The weight without valve&cap (kg)	Volumetric Capacity (L)	Test Pressure (Bar)	Tempera ture (℃)	(s)Holdin g Time (s)	Total expansion (ml)	Permanent expansion (ml)	Percent of Permanent to totalexpansi on (%)	Abnormal bottle condition
2025.10.9	25A1080127	22.7	12.7	10.0	300	14	30	29.1	1.0	3.4	无
2025.10.9	25A1080128	22.7	12.7	10.0	300	14	30	30.9	0.9	2.9	无
2025.10.9	25A1080129	22.7	12.7	10.0	300	14	30	29.5	0.5	1.7	无
2025.10.9	25A1080130	22.7	12.7	10.0	300	14	30	30.4	0.9	3.0	无
2025.10.9	25A1080131	Bottles for mechanical properties									
2025.10.9	25A1080132	Explosion test bottles									

Attachment No: 2
belongs to Test Report No:
M-25 0310

Hydrostatic test report

List No.: JL.12-09

Report NO.: Q/HSSY-BG-25AI080

Product Model	ISO140-34CrMo-00	Batch No.	25AI080	Qty. (Cylinder No.)	132(25AI080001~25AI080132)	Executive standard	EN ISO 9809-1: 2019
Technical requirements for hydraulic test							
Test pressure (Bar)	300	Dwell time (S)	30	Test the water temperature(℃)	≥5	Difference between water temperature and ambient temperature	≤5
Measured data of hydraulic test							
Test pressure (Bar)	300	Dwell time (S)	30	Measured temperature (℃)	14	Ambient temperature (℃)	16
Program of tests	1. Whether the air in the bottle to be tested and the pressure line is completely drained before the hydraulic test 2. Whether the test process is operated according to the requirements of Operation Instruction for Hydraulic Test 3. Whether the test record is signed for confirmation after completion of the test 4. Acceptance standard: EN ISO 9809-1: 2019 ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No  Attachment No: 2 belongs to Test Report No:						
Inspection results	After inspection, the batch of gas cylinders have been tested under 300Bar water pressure, and during the pressure holding period, there is no leakage of the cylinder body and the joints, no drop of the pressure gauge pointer, no deformation and other abnormal phenomena M-25 0310 Result: qualified						
Note	See Q/HSSY-JL-25AI080 Hydraulic Test Record for the serial number and detailed records.						
The batch is not included	Mechanical properties test cylinders number: 25AI080131 Hydraulic burst test cylinders number: 25AI080132						

Tester:

费文辉

Date: 2025.10.9

Stress person:

李刚

Date: 2025.10.9

Air tightness test report

List No.: BG.12-5

Report NO.: Q/HSQM-BG-25AI080

Product Model	ISO140-34CrMo-00	Batch No.	25AI080	Qty. (Cylinder No.)	132 (25AI080001~25AI080132)		
Test method	Flooding method	Test pressure (Bar)	200	Test medium	Compressed air	Executive standard	EN ISO 9809-1: 2019
Test requirements	1.Air tightness test ambient temperature: 16℃						
	2.The air tightness test shall be carried out after passing the pressure test ☑是 Yes ☐否 No						
	3.The surface of the test bottle shall not be contaminated with oil or other sundries.。 ☑ Yes ☐ No						
	4.Pressure the test bottle to the specified test pressure, hold pressure for 1 minute ☑ Yes ☐ No						
	5.At the end of the test, the cylinder should be slowly deflated to maintain proper pressure.。 ☑ Yes ☐ No						
	6.Acceptance standard EN ISO 9809-1:2019 						
Pass every test,qualified quantity (Qylinder No.)		130 (25AI080001~25AI080130)					Attachment No: 2 belongs to Test Report No: M-25 0310
Rejected Quantity (Cylinder No.)		None		Processing opinion		/	
This batch is not included		Mechanical properties test bottle number: 25AI080131 Blasting test bottle number: 25AI080132					

Tester:



Date: 2025.10.10

Inspector responsible person:



Date: 2025.10.10