

CERTIFICATE

No. QC000076

HPC Research s.r.o.,
U Stadionu 615,
330 12 Horní Břiza, Czech Republic



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HPC Research





Of conformity of the manufacture, supervision of manufacture, initial inspection and tests issued by In-house inspection service body identified as CZ AA certificate No. 13.934.189 and acting under supervision of TÜV SÜD Czech s.r.o. (NB No.: 1017, inspection body No.: 4002 accredited by IA); Inspection of transportable pressure receptacles for substances of class 2 and substances according to Annex I of Directive 2010/35/EU

Manufacturer	HPC Research s.r.o.	Production site	Horní Břiza, Czech Republic
Customer	Auto Kora top s.r.o.	Customer Order No.	N/A
Order No.	CO-000515	Delivery note NOS	I-000891

Receptacle general technical specifications

Shell material	Glass fiber reinforced plastic with PET lining		
Country of manufacturing and approval	CZ / Czech Republic		
The use for	Class 2 gases		
Filling ratio	Instruction P200 ADR 2019	Minimum guaranteed wall thickness	not applicable
Working temperature	min. -40 / max. 65 °C	Test pressure	30 bar
Working pressure	not applicable	Design Life	Non - limited
Remark: Maximum torque 170 Nm. Cylinder must not be subjected to a vacuum.			

Approved items list.

1	UN composite cylinder	Design type	COMPANION G2
Item	8187 CG2/24/SAFEFILL/G.7/OPD	Drawing No.	9366
Applied normative documents	ISO 11119-3; Directive 2010/35/EU; ADR/RID; NV 208/2011; Inspection procedures of HPC Research s.r.o. ; Regulations for UN pressure receptacles		
Type approval No.	11.997.342	Year of production	2022
Water capacity	24L	Boss thread	25E — ISO 11363-1
First inspection date	05/2022	Next inspection date	05/2032
Additional marking	Tr 1017; "-40 °C";  	Cylinder valve	SCG/D-V6QC-L.2 (10KG) by SCG (THAILAND) CO., LTD
Relief valve	4cm/m@26bar	Serial NOS	See appendix No. 1 (30pc.)
2	UN composite cylinder	Design type	COMPANION G2
Item	9769 CG2/12/SAFEFILL/G.7/OPD	Drawing No.	9554
Applied normative documents	ISO 11119-3; Directive 2010/35/EU; ADR/RID; NV 208/2011; Inspection procedures of HPC Research s.r.o. ; Regulations for UN pressure receptacles		
Type approval No.	11.997.342	Year of production	2022
Water capacity	12L	Boss thread	25E — ISO 11363-1
First inspection date	05/2022	Next inspection date	05/2032
Additional marking	Tr 1017; "-40 °C";  	Cylinder valve	SCG/D-V6QC-L.2 (7.5KG) by SCG (THAILAND) CO., LTD
Relief valve	4cm/m@26bar	Serial NOS	See appendix No. 2 (15pc.)

Conclusion:


We hereby certify the conformity of manufacture and executed inspections and tests of the pressure vessels with the requirements of the above specifications and the type described in the Certificate of type approval.

Inspector
Ing. Stanislav Dubinin Ph.D.



26.05.2022

Stamp, date

HPC Research s.r.o. 
U Stadionu 615, 330 12 Horní Břiza
IČ: 29132908, DIČ: CZ29132908
Tel.: +420 222 764 324

In-house inspection service
Pavel Dubinin

CERTIFICATE

No. QC000076

HPC Research s.r.o.,
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HPC Research

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Receptacle general technical specifications

- Declaration of conformity including the description of the product and all modifications
- Declaration of Conformity and Certificates of material of service equipment.
- Certificates of materials of the product and all subgroups.
- Other documentation required according to above specifications.

Used control, measuring and test devices.

Manufacturer monitoring and measuring equipment with valid calibration.

Performed inspections and tests.

Supervision of manufacture.

- Verification of conformity with technical documentation:
 - Verification of the validity of documentation provided for the type approval construction.
 - Verification of production and test procedures.
 - Verification of production records.
 - Approved qualifications of workers performing permanent joints continue to be valid (if relevant).
 - Approved qualifications of workers performing non-destructive tests continue to be valid (if relevant).
 - Protocols on destructive and non-destructive tests (if relevant).
 - Records on heat treatments (if relevant).
 - Calibration records.
- Verification that production process produces products which comply with the applicable regulations and documentation which applies to them.
- Verification of material traceability and the check of material certificates with respect to specifications.
- If applicable, the verification that personnel performing permanent joints of construction parts and non-destructive tests are qualified or approved.

Initial Inspection and tests: batch tests.

- Testing of the mechanical characteristics of the material.
- Verification of the homogeneity of the material for each manufacturing batch.
- Inspection of the external and internal condition.
- Inspection of the neck thread.
- Verification of the conformance with the design standard.

Initial Inspection and test of each vessel.

- Hydraulic pressure test (where applicable by gas pressure test).
- Inspection and assessment of manufacturing defects.
- Inspection of the markings.

Evaluation of tests: All prescribed tests complied.

The results of the inspection, submitted in this certificate, apply only to the evaluated equipment. Without the consent of HPC Research s.r.o. and the customer, the certificate cannot be reproduced other than in whole.

DECLARATION OF CONFORMITY

No. DC000076.8187

HPC Research s.r.o.,
U Stadionu 615,
330 12 Horní Břiza, Czech Republic



HPC Research

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We, the undersigned HPC Research s.r.o., U Stadionu 615, 330 12 Horní Břiza, Czech Republic, IČ 29132908 confirm that the products manufactured by our company:

UN composite cylinder

Type	COMPANION G2
Description	UN composite cylinder
Type drawing No.	9366
Article	8187 CG2/24/SAFEFILL/G.7/OPD
Gases	UN 1011, 1075, 1965, 1969, 1978
Serial No.	According to list of cylinders attached

is manufactured according to all required normative documents, including ISO 11119-3; Directive 2010/35/EU; ADR/RID; NV 208/2011.

Notified body	NB No. 1017, inspection body No.: 4002 accredited by IA TÜV SÜD Czech s.r.o., Novodvorská 994, 142 21 Praha 4, Czech Republic
Certificate of type conformity No.	11.997.342
Certificate of in-house inspection service No.	13.934.189

We hereby declare the conformity of production of composite UN cylinder for LPG according to requirements of all standards and normative documents mentioned above and the design defined in design type approval mentioned above. All required tests have been conducted in accordance with above mentioned technical regulation with satisfactory result.

Horní Břiza, 26.05.2022
(date and place)


HPC Research s.r.o. ©
U Stadionu 615, 330 12 Horní Břiza
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Tel.: +420 222 764 324

Pavel Dubinin, Director
(name and signature of authorized person)

DECLARATION OF CONFORMITY

No. DC000076.9769

HPC Research s.r.o.,
U Stadionu 615,
330 12 Horní Bříza, Czech Republic



HPC Research

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We, the undersigned HPC Research s.r.o., U Stadionu 615, 330 12 Horní Bříza, Czech Republic, IČ 29132908 confirm that the products manufactured by our company:

UN composite cylinder

Type	COMPANION G2
Description	UN composite cylinder
Type drawing No.	9554
Article	9769 CG2/12/SAFEFILL/G.7/OPD
Gases	UN 1011, 1075, 1965, 1969, 1978
Serial No.	According to list of cylinders attached

is manufactured according to all required normative documents, including ISO 11119-3; Directive 2010/35/EU; ADR/RID; NV 208/2011.

Notified body NB No. 1017, inspection body No.: 4002 accredited by IA TÜV SÜD Czech s.r.o., Novodvorská 994, 142 21 Praha 4, Czech Republic

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Pavel Dubinin, Director
(name and signature of authorized person)

APPENDIX No. 1

8187 CG2/24/SAFEFILL/G.7/OPD produced on 05/2022

132073	132076	132078	132091	132092	132093	132094	132095	132096	132097
132098	132099	132100	132101	132102	132103	132104	132105	132106	132107
132108	132109	132110	132111	132112	132113	132114	132130	132133	132136

APPENDIX No. 2

9769 CG2/12/SAFEFILL/G.7/OPD produced on 05/2022

132740	132743	132746	132752	132753	132754	132755	132756	132757	132758
132759	132760	132761	132762	132763					