

CERTIFICATE OF QUALIFICATION

Document No:
COQ10303900-1

This is to certify:

That

Aidro Srl

Via Prati Bassi, 36, 21020 Taino VA, Italy

is a qualified manufacturer of:

Additive Manufacturing of metallic parts

in accordance with

DNV-ST-B203 and DNV-SE-0568 Module B

and the following particulars:

AM Facility qualified	Aidro Srl, Via Prati Bassi, 36, 21020 Taino VA, Italy
AM Technologies qualified	1. Laser beam powder bed fusion (PBF-LB) to AMC 3 level 2. Binder jetting technology (BJT) to AMC 1 level
BPQs qualified	1. AM Stainless Steel Alloy (UNS S31603) for PBF-LB 2. AM Nickel Alloy 718 (UNS N07718) for PBF-LB 3. AM Precipitation Hardening Stainless Steel (UNS S17400) for BJT
Parts qualified	1. Valve body, AMC 3 level as per manufacturer's own specification, PBF-LB and UNS S31603 material, see page 2 & PPS for details. 2. Manifolds family, AMC 2 level in AM Nickel Alloy UNS N07718, see page 2 & PPS for details.

Reference documents:

- Facility description : FD.01
- Audit comments : Audit.01 issue 1
- BPQ records : for PBF-LB, BPQR_SI3832_316L-40um_N7, BPQR_SI3832_DNV_IN718_API6ACRA-40um_N9 & for BJT, BPQR_174PH_SHOP-ID64_75um_MBJ_01
- PQ records : PQR-23000063 issue 0 & PPS-23000063 for valve body & PQR-CDT00076,78,80,90-R01 for Manifolds

Issued at **Høvik** on **2025-06-10**

This Certificate is valid until **2030-06-09**.

Technical Authority: **Sastry Yagnanna Kandukuri**



for DNV

This document has been digitally signed and will
therefore not have handwritten signature

Sondre Løken

Head of Section - Materials Advisory

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Qualified part details : Valve body

Item	Specific Details
Part name / description	CORPO VALVOLA-HDF-ELS-174 PORTE 3/8" GREZZO
Part number	COR.HDF.ELS.174.38 - GR
Part description	CORPO VALVOLA-HDF-ELS-174 PORTE 3/8" GREZZO
Material type	AM Stainless Steel Alloy 316L (UNS S31603)
AM technology	PBF-LB
Delivery condition / HT	Stress relieved
AMC category	AMC 3
Unique ID of digital file	Prod_SI3832_20221121_SS316L_40um.openjz
Unique Id of parameter file	Prod_SI3832_20221121_SS316L_40um.openjz
Unique ID of AM machine	S/N SI3832
Reference BPQ number	BPQR_SI3832_316L-40um_N7
PQR Number	PQR-23000063
MPS number	MPS-23000063
PPS Number	PPS-23000063

Qualified part details : Manifolds

Item	Specific Details
Part name (s)	FM-3DP, Ball Cage MD, MVM,CFM
Part number(s)	CDT00076,78,80,90
Part description(s)	Manifolds family
Material type	Alloy 718, UNS N07718
AM technology	PBF-LB
Delivery condition / HT	Solution annealed and age-hardened
AMC category	AMC 2
Unique ID of digital file	Prod_SI3832_20241209_I718_40um
Unique Id of parameter file	IN718_PerformanceM291 2.11
Unique ID of AM machine	S/N SI3832
Reference BPQ number	BPQR_SI3832_DNV_IN718_API6ACRA-40um_N9
PQR Number	PQR-CDT00076,78,80,90-R01
MPS number	MPS-DAR-xxxx -R01
PPS Number	PPS-DAR-xxxx-R01