

# CERTIFICATE OF MATERIAL

\* According to EN 10204:2004 (E) 3.1

Specification : ASTM A479 TYPE316/316L (STRAIN-HARDENED 2)  
Material Mfr. : YAMASHIN STEEL CO., INC.  
Customer : Aman Engineering  
Project Name :

CAS No. :  
Certificate No. : HD202503-1252  
PO No. : PO-AEE-25-0070  
POR No. : ENER PROCESS FZ- LLC  
Date of issue : Mar-13-2025

HCD No	Description (Part Name)	Q'ty
ENL	Female Adapter 1/2"OD-3/8 NPT(CAF8-6N)	14 EA

**Chemical Composition(%)**

C	Si	Mn	P	S	Ni	Cr	Mo							
0.030 max	1.00 max	2.00 max	0.045 max	0.030 max	10.00- 14.00	16.00- 18.00	2.00- 3.00							
0.015	0.20	1.71	0.039	0.025	10.12	16.18	2.71							

**Mechanical Properties**

Yield Strength MPa	Tensile Strength MPa	Elongation (%)	Reduction of Area (%)	Hardness ( )
515 min	655 min	25 min	40 min	
651	739	35	71	

Remarks

- \* Visual & Dimensional Inspection : Good
- \* Mechanical Tested According to ASTM A370
- \* Grain Size Result : 5
- \* Solution Treatment 1060°C WQ
- \* Intergranular Corrosion Test : Good

ISSUE No. : -

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for by the above order.

\_\_\_\_\_  
(Customer / Third Party)



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Manager of Quality Assurance Dept.