

CERTIFICATE OF MATERIAL

* According to EN 10204:2004 (E) 3.1

Specification : ASTM A182 F316/F316L
Material Mfr. : HY-LOK FORGING CORPORATION
Customer : Aman Engineering
Project Name :

CAS No. :
Certificate No. : HD202503-1265
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
FBS	Elbow 1/2 NPT(H-SLA-8N)	40 EA

Chemical Composition(%)

C	Si	Mn	P	S	Ni	Cr	Mo	N						
0.030 max	1.00 max	2.00 max	0.045 max	0.030 max	10.00- 15.00	16.00- 18.00	2.00- 3.00	0.10 max						
0.015	0.458	1.343	0.0342	0.0101	10.007	16.726	2.069	0.0636						

Mechanical Properties

Yield Strength MPa	Tensile Strength MPa	Elongation (%)	Reduction of Area (%)	Hardness ()
205 min	515 min	30 min	50 min	
290	579	62	79	

Remarks
 * Visual & Dimensional Inspection : Good
 * Mechanical Tested According to ASTM A370
 * Solution Annealed
 * immediately W.C after forging (Material Heating Temperature 1150°C±50°C)
 * NACE MR0175/ISO 15156

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)



Manager of Quality Assurance Dept.