

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. : HD202503-1258
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
HWS	Male Elbow 1/2'OD-R 3/8(ACLMA8-6R)	18 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						
0.022	0.392	1.295	0.0326	0.0085	10.019	16.298	2.044	0.0404						

Mechanical Properties

Yield Strength MPa	Tensile Strength MPa	Elongation (%)	Reduction of Area (%)	Hardness ()
205 min	515 min	30 min	50 min	
280	569	67	78	

Remarks ISSUE No. : -
 * Visual & Dimensional Inspection : Good
 * Mechanical Tested According to ASTM A370
 * Solution Annealed (1050°C x 2.0 Hrs W.C)

 * NACE MR0175/ISO 15156-3, NACE MR0103/ISO 17495-1

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.