INSPECTION TEST CERTIFICATE

FOOLAD ASA INDUSTRIES CO.

FACTORY: AT A DISTANCE OF 18(km) FROM ZANJAN TO TEHRAN
TEL.: (+98-24) 32462111 & 2 / FAX: (+98-24) 32462113

EN 10204 3.1
Standard: MSS-SP-97
Porduct: Pipe Fittings
Specification: ASTM A350 LF2 CL.1

Certificate No.: 1403-304
Client:HAMIAN SANAAT ENERGY POOYA
Order No:PR-200
Date:1403/11/08

ITEM	DESCRIPTION	QTY (PCS)	HEAT NO.	CHIMICAL COMPOSITION %											MECHANICAL PROPERTY			HARDNES	IMPACT TEST (J)			
				C	Si	Mn	P	S	Cr	Ni	Cb	Cu	Mo	V	Y.S.	T.S.	EL.	HB	°C	1	2	3
															Mpa	Mpa	%	UNDER				
30	WELDOLET CARBON STEEL 6"*1/2"S/80	4	CA0974	0.190	0.170	1.000	0.011	0.005	0.060	0.060	0.007	0.130	0.011	0.002	321	509	33.5	180				
31	WELDOLET CARBON STEEL 6"*3/4"S/80	6	42023	0.083	0.200	0.380	0.014	0.008	0.020	0.019	0.002	0.012	0.003	0.012	331	501	33	180				
32	WELDOLET CARBON STEEL 2"*1/2"S/80	4	CA0974	0.190	0.170	1.000	0.011	0.005	0.060	0.060	0.004	0.130	0.011	0.002	321	509	33.5	180				
33	SOCKOLET CARBON STEEL 4"*11/2"#3000	4	CA1402	0.180	0.180	0.860	0.017	0.010	0.110	0.070	0.001	0.120	0.012	0.001	339	505	33.4	180				

Inspection & Test Results

Surface & Marking	Dimensions	Nondestructive Test								Heat Treatment
ACCEPTABLE	ACCEPTABLE	RT		UT		MT	■	PT		ACCEPTABLE

We hereby certify that the products described herein have been manufactured in accordance above mentioned standard and client P.O. and specification.

This certificate is valid with original signature, stamp and hologram of FOOLAD ASA.

Stamp and Signature:

Q.A Manager

INSPECTION TEST CERTIFICATE

FOOLAD ASA INDUSTRIES CO.

FACTORY: AT A DISTANCE OF 18(km) FROM ZANJAN TO TEHRAN
TEL.: (+98-24) 32462111 & 2 / FAX: (+98-24) 32462113

EN 10204 3.1
Standard: ASME B16.11
Porduct: Pipe Fittings
Specification: ASTM A350 LF2 CL.1

Certificate No.: 1403-304
Client:HAMIAN SANAAT ENERGY POOYA
Order No:PR-200
Date:1403/11/08

ITEM	DESCRIPTION	QTY (PCS)	HEAT NO.	CHIMICAL COMPOSITION %											MECHANICAL PROPERTY			HARDNES	IMPACT TEST (J)			
				C	Si	Mn	P	S	Cr	Ni	Cb	Cu	Mo	V	Y.S.	T.S.	EL.	HB	°C	1	2	3
															Mpa	Mpa	%	UNDER				
3	ELB 90 LR SMLS.S.W C.S 11/2"#3000	22	CA1591	0.190	0.230	0.950	0.010	0.004	0.040	0.010	0.020	0.020	0.010	0.003	301	499	31.8	180				
4	ELB 90 LR SMLS.S.W C.S 1"#3000	6	14839	0.150	0.210	0.990	0.007	0.003	0.093	0.076	0.002	0.047	0.009	0.002	309	541	32	180				
5	ELB 90 LR SMLS.S.W C.S 2"#3000	10	CA0475	0.200	0.220	0.850	0.011	0.006	0.140	0.060	0.005	0.110	0.030	0.002	357	485	34.5	180				
10	ELB 45 LR SMLS.S.W C.S 11/2"#3000	4	42381	0.094	0.200	0.970	0.011	0.009	0.130	0.035	0.003	0.063	0.008	0.002	336	569	32.4	180				
11	ELB 90 LR SMLS.S.W C.S 1/2"#3000	2	43198	0.170	0.210	0.860	0.011	0.016	0.280	0.005	0.010	0.015	0.003	0.002	330	558	33	180				

NOTE: ALL ITEMS ARE NORMALIZED

Inspection & Test Results

Surface & Marking	Dimensions	Nondestructive Test								Heat Treatment
ACCEPTABLE	ACCEPTABLE	RT		UT		MT		PT		ACCEPTABLE

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