

## Certificate of Test

Part Number	0361001209	Description	1 1/4 3000 FS THRD 90 ELL
Heat Code	51088	Heat Number	---
Reference Number	---	Specification	ASTM A105/A105M-18 / ASME SA105-19

MEETS REQUIREMENTS OF NACE MR 0175/ISO 15156-2

### Chemical Analysis %

C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V
0.200	0.990	0.009	0.025	0.196	0.120	0.260	0.020	0.070	0.022

Co 0.007, Cb 0.003  
CE (Long Formula) = 0.419

### Physical Properties

Yield PSI	Yield MPA	Tensile PSI	Tensile MPA	Elongation %	Reduction of Area %	Brinell Hardness 1	Brinell Hardness 2
52200	359.9	78999	544.7	33.50	63.62	144	139

### Supplemental Information

The original manufacturer's certification meets the requirements of EN 10204 Type 3.1. We certify that this is a true and correct copy of the mill certificate, issued by the manufacturer of the steel employed or the laboratory which determined it, as retained in the records of the company. We make no representation beyond those of the manufacturer or its agent.