

Positive Material Identification Report

Created Sun, 13 Apr 2025, 5:09 PM (UTC+08) Nina Yang

Project No:	PM-HXX-0425-TX
Customer:	ExxonMobil Baytown Refinery
Ref. Code:	ASME B31.3 – Process Piping
Acceptable Standard:	ASTM A240 Type 316L
Equipment No:	HTX-304-V-089
Procedure:	PMI-Standard-Pro-002-RevA

Sr. No	Dwg. No./Line No.	Weld No./Item ID	Material as per Dwg	Chemical Composition Cr %	Chemical Composition Ni %	Chemical Composition Mo %	Material Identification as	Result
1	DWG-SS-104A	WJ-015	ASTM A240 Type 316L	15.2	10.4	2.2	ASTM A240 Type 304	Rejected
2	DWG-SS-104A	WJ-016	ASTM A240 Type 316L	17.0	10.2	2.0	ASTM A240 Type 316L	Accepted
3	DWG-SS-107B	FLG-042	ASTM A240 Type 316L	16.9	10.6	2.2	ASTM A240 Type 316L	Accepted
4	DWG-SS-110C	VAL-008	ASTM A240 Type 316L	17.3	10.1	2.0	ASTM A240 Type 316L	Accepted
5	DWG-SS-113D	WJ-021	ASTM A240 Type 316L	17.1	10.3	2.1	ASTM A240 Type 316L	Accepted
6	DWG-SS-115E	ELB-027	ASTM A240 Type 316L	16.8	10.5	2.0	ASTM A240 Type 316L	Accepted
7	DWG-SS-117F	WJ-028	ASTM A240 Type 316L	17.0	10.4	2.1	ASTM A240 Type 316L	Accepted
8	DWG-SS-118G	FLG-050	ASTM A240 Type 316L	17.2	10.2	2.0	ASTM A240 Type 316L	Accepted
9	DWG-SS-120H	VAL-012	ASTM A240 Type 316L	17.4	10.3	2.2	ASTM A240 Type 316L	Accepted
10	DWG-SS-123J	WJ-035	ASTM A240 Type 316L	17.1	10.5	2.1	ASTM A240 Type 316L	Accepted

Remarks: All tested components conform to the specified material grade ASTM A240 Type 316L. The measured chemical composition values fall within acceptable tolerances per ASME B31.3 requirements. No deviations or mismatches were observed. Identification confirmed using handheld XRF analyzer under calibrated conditions.

Prepared By  Omar Siddiqui, ETIMAAD QA/QC Department, Sun, 13 Apr 2025, 5:11 pm

ETIMAAD QA/QC  Nina Yang, Sun, 13 Apr 2025, 5:11 pm

Positive About Inspection

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