

ELMET TECHNOLOGIES LLC - SPECIFICATION

DEPARTMENT: **QUALITY**

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SPECIFICATION: **S-22-031** REVISION: (2)

TITLE: **NDT FLOWDOWN CLAUSES & STANDARDS-Moly Billet**

CONTROLLED COPIES: **NONE**

1. PURPOSE / SCOPE

To provide the testing standard and certification documentation requirements and to ensure specific flowdown clauses, in their entirety or equivalent, are flowed down to all lower tier subcontracts.

2. TEST STANDARD and DOCUMENTATION

2.1. Material: Molybdenum 99.95% Pure per ASTM B387

2.2. Each sample will be inspected per and in accordance with:

- (1) ASTM E1417 – Liquid Penetrant Inspection Type I, Method A, Sensitivity Level 3
- (2) May not exhibit any cracks, minor exterior scratches, dents, or flaws defined as 0.25mm maximum depth and 25mm long are acceptable.

2.3. Testing documentation must specify the following:

- (1) Purchase Order
- (2) Test Report
- (3) Test Standard the part was inspected to (i.e. ASTM E1417)
- (4) Test Procedure
- (5) Material
- (6) Sample identification (i.e. 16830822 – first six (6) digits of work order; and final two (2) digits are sequential ranging from 01 to 99)
- (7) Judgement for each individual part number PASS / FAIL
- (8) Reason for rejection
- (9) Pictures of rejections

2.4. Reports be submitted to:

quality@elmettech.com

3. CLAUSES

3.1 See Elmet Spec S-22-100.

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5. REVISIONS AND APPROVALS

REV	DATE	ORIGINATOR	CHANGES
-	1/26/2017	S. Humphrey	Initial Issue
1	12/10/18	D. Drinan	Removed clauses, refer to S-22-100
2	12/7/2022	S. Brousseau	Revised email address in 2.4

APPROVER	SIGNATURE	DATE
D. Drinan	 Digitally signed by Dan Drinan	12/7/2022