
	CPC ENGINEERING SPECIFICATION	
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## APPLICATION / WITHDRAWAL OF API MONOGRAM FOR 6A PRODUCT

Rev	Reason of Change	Date	Prepared by	Reviewed by	Approved by	Status
0	Initial release	03-02-2024	PK	USR	JG	Released



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## **APPLICATION / WITHDRAWAL OF API MONOGRAM FOR 6A PRODUCT**

### **1.0 PURPOSE**

To describe the requirements for marking of monogrammed products in accordance with API 6A specifications.

### **2.0 APPLICABILITY**

The requirements imposed by this procedure are directive in nature to all Production, Manufacturing Engineering, Production Control, Design Engineering, and Quality Control personnel involved in the manufacture of products manufactured according to API 6A specifications.

### **3.0 REFERENCE DOCUMENTS**


- 3.1 CPC Quality Assurance Manual
- 3.2 API Spec 6A, "Specification for Wellhead and Tree Equipment"
- 3.3 API Q1, "Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industries"

### **4.0 GENERAL**

The API monogram shall be applied only to those products that are designed (When Design applicable) and manufactured in accordance with applicable API specifications when required by the customer and CPC Sales Order.

- 4.1. Products that do not conform to API specified requirements will not be monogrammed.
- 4.2. Only API Monogram approved Licensee (approved product only) shall apply the monogram and its designated license number to applicable monogramable newly manufactured products.
- 4.3. API monogram, to be apply to the product only if valid license of API is available.
- 4.4. License(s) being facility specific, API monogram (during valid license period only) shall be applied at the approved site only.



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- 4.5. Monogram may be applied at any appropriate time during product process but shall be removed, if the product is subsequently found out of conformance including rejection at the supplied location, in accordance with the process covered in Appendix(s) to this procedure.

**Note:** Alternative API Monogram marking procedures required to be adopted if any shall be in accordance with the details contained in the API Monogram Program alternative Marking of Products License Agreement, available on the API Monogram Program website. However as on approval of this procedure, at CPC, we are not using the any alternate marking procedure.


## 5.0 RESPONSIBILITY

- 5.1 Manufacturing Engineering is responsible for detailing marking requirements for monogrammed products on Process Routings in accordance with Design Engineering documentation.
- 5.2 Production is responsible for marking all monogrammed products in accordance with the Engineering drawing or according to marking given in API (refer API specs tables in appendix B for marking).
- 5.3 Quality Control is responsible for ensuring the API monogrammed products are properly marked in accordance with the Engineering documentation.
- 5.4 Director/ Manager QAD will be responsible for release of application of API Monogram.

## 6.0 METHODS


- 6.1 Design Engineering drawings shall specify all marking requirements and identify location for monogramming final products according to the appropriate API Specifications.
- 6.2 Manufacturing Engineering shall describe all marking requirements and methods of applications of markings of the final products according to Design Engineering drawings.
- 6.3 Product marking shall be clear, legible, and visible without the use of magnification. Only capital letters shall be used unless otherwise stated on the drawing or product specification
- 6.4 Equipment shall be marked as per the product-specific requirements given in Appendix- B. The nominal size for equipment shall be marked with US Customary (USC) units.
- 6.5 Temperature classes (see 4.3.2) or maximum and minimum temperature ratings shall be at location specified.



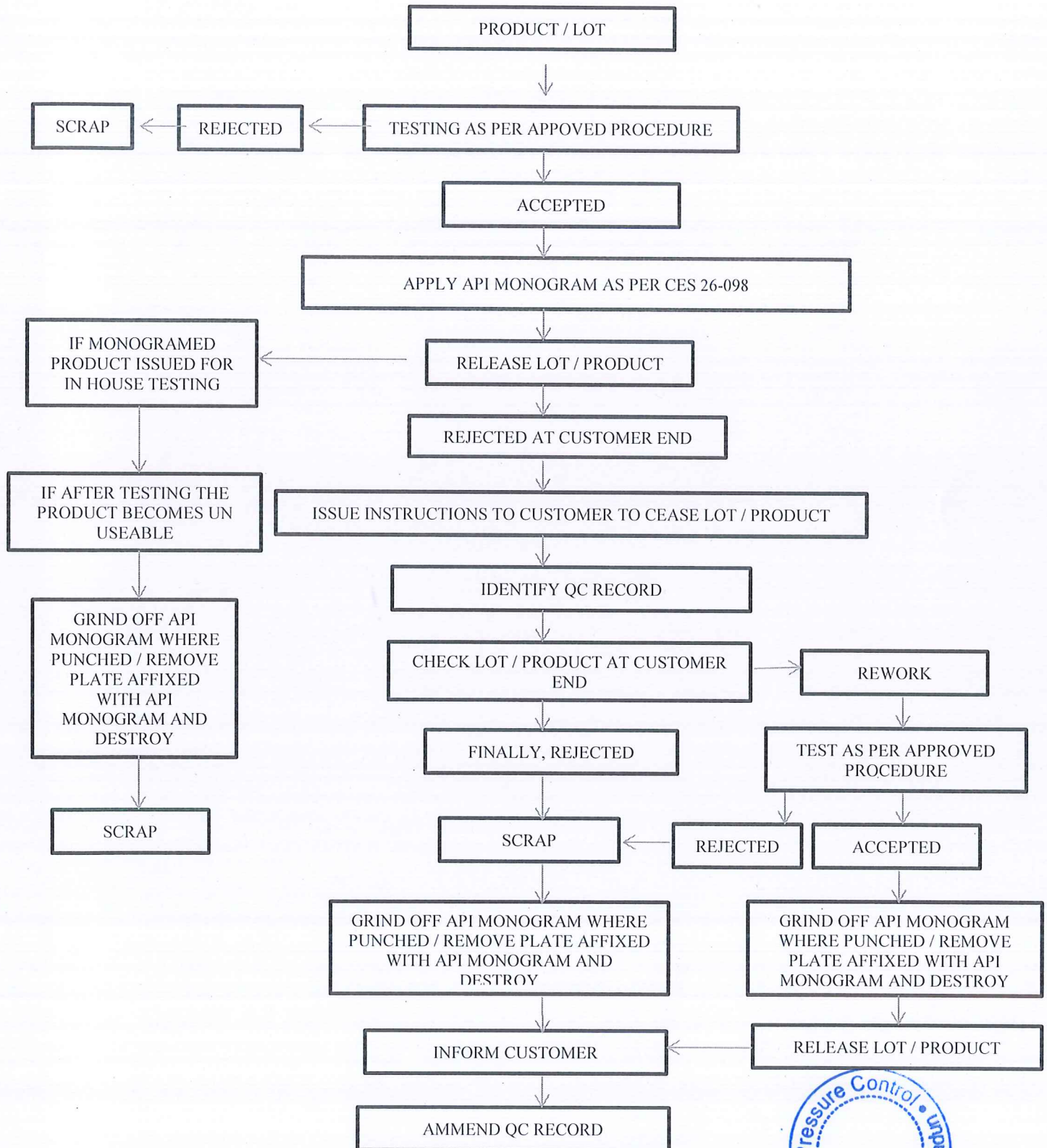
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- 6.6** Permanent marking methods shall be “Low Stress” (dot, vibration, or rounded V). Conventional sharp V-stamping shall be permitted only in low-stress areas, such as the outside diameter of flanges.
- 6.7** Unless nameplates are specified, marking shall be applied on the nameplate and/or the body or the connector.
- 6.8** Marking required on a connector outside diameter that would be covered by clamps or other parts of the connector assembly shall be stamped in a visible location near the connector.
- 6.9** The marking shall include API Licenses number, manufacturer’s name and the date of manufacturing in conjunction with API Monogram.
- 6.9.1** Date of manufacturing shall be of 2 digits representing month & year e.g. 03-11 for March 2011 unless otherwise stipulated in the applicable API Spec including additional requirements of specifications/standards, if any, as applicable.
- 6.9.2** Design Engineering shall specifically add note to clarify for the application of the additional API product specification(s) and/or standard(s) marking requirements, to be marked on the product, if applicable.
- 6.10** Production shall apply all appropriate markings according to the information contained on the Process Routing in conformity with the details as mentioned on the relevant drawing.
- 6.11** Quality Control shall apply the API Monogram in accordance with the Design Engineering drawings.
- 6.12** Manager Quality Control shall be responsible for overseeing the removal of the API monogram if the product is subsequently found to be in nonconformance with API specified requirements as per procedure in appendix A attached.



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## APPENDIX A



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## APPENDIX B

(API Based Marking details of Products)

Marking details of API 6A products

(Ref Table 35 of API 6A 21st Edition) — Marking requirements and locations

**Table 35—Guide to Marking Requirements**

Equipment Type	Nameplate Required?	Marking Requirements
<b>Loose Fittings and Connectors</b>		
• Blind, and test flanges	Optional	14.1.5
• Ring gaskets	Not applicable	14.2.5
• Threaded connectors	Optional	14.3.5
• Tees and crosses	Optional	14.4.5
• Bullplugs	Not applicable	14.5.5
• Valve-removal plugs	Not applicable	14.6.5
• Top connectors	Optional	14.7.5
• Crossover connectors	Optional	14.8.5
• Other end connectors	Not applicable	14.9.5
• Spools (adapter and spacer)	Optional	14.10.5
<b>Valves</b>		
• Complete assemblies	Optional	14.11.5
• Prepared for actuator	Optional	14.11.5
<b>Back-pressure Valves</b>	Not applicable	14.12.5
<b>Slip-type and Mandrel-type Hangers</b>	Not applicable	14.13.5
<b>Casing and Tubing Heads</b>	Optional	14.14.5
<b>Chokes</b>		
• Choke assemblies, adjustable	Optional	14.15.5
• Choke assemblies, positive (fixed)	Optional	14.15.5
• Choke beans, positive chokes	Not applicable	14.15.5
<b>Actuators (for Valves and Chokes)</b>	Optional	14.16.5
<b>Safety Valves</b>		
• Safety valves (SSV, USV, BSDV)	Required	14.17.5
• Safety valves prepared for actuator	Required	14.17.5
• Safety valve actuators (SSV, USV, BSDV)	Required	14.17.5
<b>Tree Assemblies</b>	Optional	14.18.5
<b>Other</b>		
• Fittings/pressure boundary penetrations	Not applicable	Section 9


**FOOTNOTES**

a Valves that satisfy the requirements of API 6FA can be marked per the requirements therein in addition to the requirements of this section.

b Marking for features that do not exist on a product is not applicable.

c PSL 3 products may be marked "PSL 3G" when the additional requirements of gas testing have been satisfied.

**Note 1:** If equipment has metal-overlaid, corrosion-resistant ring grooves, the ring groove type and number shall be followed by "CRA" to designate a corrosion-resistant alloy.

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Ref Table 39 of API 6A — Marking for Ring gaskets

Marking Requirement	Marking	Location
Date of manufacture	(Month/Year)	Outside diameter of gasket
Traceability to heat and job lot	Traceability Code(s)	Outside diameter of gasket
Manufacturer's name or mark	PMR	Outside diameter of gasket
Ring gasket type and number	Example: "BX 155"	Outside diameter of gasket
Ring gasket manufacturing method [wrought (F), cast (C), or welded (W)]	F	Outside diameter of gasket, following gasket material code, with or without a dash
	C	
	W	
Ring gasket material code:		Outside diameter of gasket, following gasket type and number, with or without a dash  Examples: "R 24-D-W" "RX 39 316 F" "BX 169-825-C"
Soft iron	D	
Carbon or low-alloy steel	S	
304 Stainless steel	304	
316 Stainless steel	316	
Nickel alloy UNS N08825	825	
Other CRA materials	(UNS number)	

