



Swagelok Company
29500 Solon Rd
Solon, OH 44139 U.S.A

440.349.5600
440.519.4997 fax

Certification of Compliance For Nuclear Safety Related Items

Distributor		Customer		Customer PO#	
Distributorship Name		Customer Name		Customer PO#	
Distributorship Address		Customer Address			

No.	Part Number	Qty	Product ID	Mfg Order #	Reference #
1	Swageok Part Number	Qty	Product ID	Mfg Order #	Reference information e.g. customer part #

Information contained in the above customer address column (marked as "Customer") and area marked "Reference" (when applicable) of this certification are for reference purposes only. Swagelok Company makes no stipulations, nor takes responsibility, for the accuracy or reliability of such information.

Swagelok products are manufactured under conditions which are free from mercury. No mercury bearing components have been used in the products of your order and no mercury bearing instruments or other equipment have been used in their manufacture, assembly, or testing in such a manner as might cause contamination.

No asbestos or asbestos-containing components are used in Swagelok brand products.

The Chemical and Mechanical Properties of the material from which the fittings were manufactured are on file.

O-rings, washers, gaskets, snap rings, orifice plates, jam nuts, snubber elements, mud daubers and hose inserts, where used, are commercial grade items and are not covered by this certification.

Swagelok Company's Nuclear Quality Assurance Manual (SQS-F-A2), latest revision, Revision XX, dated MONTH DD, YYYY, satisfies the applicable requirements of NCA-3800 and NCA-4000. This manual is the basis for issuance of ASME Certificates N / NPT (#N-3100 and N-3101) which expire on MONTH DD, YYYY, and ASME Certificate NA (# N-3688) which expires on MONTH DD, YYYY. This Quality Assurance Manual meets the requirements of 10CFR50 Appendix B. Code reconciliation for the above listed material has been completed to the ASME Boiler and Pressure Vessel Code, 1974 Edition to YYYY Edition. Applicable rules and regulations of 10CFR21 apply.

No weld repairs have been utilized. The products comply with all Swagelok dimensional requirements.

Swagelok Company's non-nuclear Quality Manual (SQS-F) is also approved to ISO 9001 (BSI Certificate # FM01729).

NDE to meet the requirements of Paragraph NB-2551 has not been performed. Such NDE is not required for use of seamless fittings in Class 2 and class 3 applications. Fittings of NPS 1" and smaller, used in class 1 applications, are exempt from the NDE requirements of Paragraph NB-2541 as detailed in Paragraph NB-2510(a).

Swagelok® tube fitting and weld fitting end connections may be used in applications covered by the ASME Boiler and Pressure Code, Section III, Subsection NB (Class 1), Subsection NC (Class 2) and Subsection ND (Class 3) 1974 Edition thru YYYY Edition as described in paragraphs NB/NC/ND-3671.4.

Swagelok® pipe fitting end connections may be used in applications covered by the ASME Boiler and Pressure Code, Section III, Subsection NB (Class 1), Subsection NC (Class 2) and Subsection ND (Class 3) 1974 Edition thru YYYY Edition as described in paragraphs NB/NC/ND-3671.3.



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Material Type: UNS S31600

Barstock: Type 316 Stainless Steel (Strain-Hardened Level 2 condition)

Forging: Type F316 Stainless Steel

Material Designation: SS

Material Standards: Barstock: ASME SA-479, ASTM A-479

Forging: ASME SA-182 (hot rolled forge rod: ASME SA-484)

Solution Annealing Temp. (min.): 1900° F

Cooling Method* (forgings): Water Quench * Cooling rate is sufficient to prevent carbide precipitation.

Finishing (barstock): Cold Finishing

Corrosion Testing: Passed EN ISO 3651-2, Method A, and/or ASTM A-262 Practice A or E

The marking symbol and/or code to identify this certified material to this Material Certification is:

	On The Product:	On The Certificate	On The Packaging
Material Type (as marked)	316	316	Not marked
Company identification	"Swagelok", or "Cajon", or "C"	"Swagelok Company"	"Swagelok"
Trace Identification	3-Character Alpha or Alpha-numeric code	9 or 10 Character Product ID code	9 or 10 Character Product ID code
Customer P.O. Number	Not marked	Included	Not marked
Swagelok Part Number	Not marked	Included	Included

The above supplied products are in accordance with Swagelok's product descriptions with respect to material, appearance, dimensions, pressure ratings, and (if applicable) shutoff or cracking pressures, as published and current to the date of this certification. They conform to the requirements of the customer's purchase order referenced above, except for any exceptions agreed upon between Swagelok and the customer.

This certifies the contents of this report are correct and accurate, and that all test results and operations performed by Swagelok and our approved suppliers are in compliance with the material specification and section III of the Code.

Signature

Title of authorized person

Name of authorized person