

September 18, 2017

TO: Whom It May Concern

SUBJECT: On-X Prosthetic Heart Valve Materials

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**On-X Heart Valves are not made with Nickel-containing components, which are as follows:**

- Valve Housing and Leaflets – Pyrolytic Carbon  
(<http://www.cryolife.com/products/contract-manufacturing/on-x-pyrolytic-carbon/>)
- Suture Ring – Titanium 6AL4V ELI per ASTM F-136 Wrought Titanium-6Aluminum-4Vanadium ELI (Extra Low Interstitial) Alloy for Surgical Implant Applications (UNS R56401)
- Suture Cuff - Tubular warp knit fabric made from 100% PTFE yarn
- Suture – Poly (ethylene) terephthalate yarn coated/impregnated with tetrafluoroethylene

If there are any questions or comments, please contact the undersigned.

Authorized Signature:



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