Saint-Gobain Performance Plastics
Sani-Pro-K Kynar®

Trace Metal Extractables-Kynar PVDF

A test sample of Sani-Pro K natural PVDF tubing was tested for extractables by an outside labratory. The test was performed using ultra pure water at 80° C for 24 hours to maximize the potential for leaching. The results were found using Inductively Coupled Plasma-Mass Spectrometry (ICP-MS).

ELEMENT	DETECTION LIMITS (ppb)	DETECTED (ppb)	ELEMENT	DETECTION LIMITS (ppb)	DETECTED (ppb)
Aluminum (Al)	0.10	<0.10	Mercury (Hg)	0.01	<0.01
Neodymium (Nd)	0.09	<0.09	Molybdenum (Mo)	0.02	<0.02
Antimony (Sb)	0.08	<0.08	Nickel (Ni)	0.10	<0.10
Arsenic (As)	0.03	<0.03	Niobium (Nb)	0.03	<0.03
Barium (Ba)	0.16	<0.16	Palladium (Pd)	0.10	<0.10
Beryllium (Be)	0.05	<0.05	Platinum (Pt)	0.13	<0.13
Bismuth (Bi)	0.15	<0.15	Praseodymium (Pr)	0.10	<0.10
Boron (B)	0.20	<0.20	Rhenium (Re)	0.10	<0.10
Cadmium (Cd)	0.08	<0.08	Rhodium (Rh)	0.10	<0.10
Cerium (Ce)	0.04	<0.04	Rubidium (Rb)	0.01	<0.01
Cesium (Cs)	0.08	<0.08	Ruthenium (Ru)	0.12	<0.12
Chromium (Cr)	0.26	<0.26	Samarium (Sm)	0.06	<0.06
Cobalt (Co)	0.10	<0.10	Scandium (Sc)	0.10	<0.10
Copper (Cu)	0.08	<0.08	Selenium (Se)	0.50	<0.50
Dysprosium (Dy)	0.01	<0.01	Silver (Ag)	0.03	<0.03
Erbium (Er)	0.05	<0.05	Strontium (Sr)	0.10	<0.10
Europium (Eu)	0.03	<0.03	Tantalum (Ta)	0.08	<0.08
Gadolinium (Gd)	0.05	<0.05	Tellurium (Te)	0.25	<0.25
Gallium (Ga)	0.40	<0.40	Terbium (Tb)	0.10	<0.10
Germanium (Ge)	0.03	<0.03	Thallium (Tl)	0.08	<0.08
Gold (Au)	0.03	<0.03	Thorium (Th)	0.03	<0.03
Hafnium (Hf)	0.10	<0.10	Thulium (Tm)	0.04	<0.04
Holmium (Ho)	0.10	<0.10	Tin (Sn)	0.25	<0.25
Indium (In)	0.02	<0.02	Titanium (Ti)	0.10	<0.10
Iridium (Ir)	0.07	<0.07	Tungsten (W)	0.02	<0.02
Lanthanum (La)	0.05	<0.05	Uranium (U)	0.03	<0.03
Lithium (Li)	0.30	<0.30	Vanadium (V)	0.11	<0.11
Lutetium (Lu)	0.05	<0.05	Ytterbium (Yb)	0.04	<0.04
Magnesium (Mg)	0.21	0.21	Yttrium (Y)	0.03	<0.03
Manganese (Mn)	0.06	<0.06	Zinc (Zn)	0.05	<0.05