

Appendix 2 : The list of JEMIMA products which contains PFAS

JEMIMA products are listed, and the components which contains PFAS are listed in the cells of the right of JEMIMA product.

The functions and uses and availabilities of alternatives are explained in Appendix 1.

Indicating Instruments

Voltmeters	Electric components, sealing materials, others
Direct-acting Recording Voltmeters	Electric components
Wattmeters	sealing materials, others
Portable Wattmeters and Varmeters	sealing materials, others
Direct-acting Wattmeters and Varmeters	sealing materials, others
AC-DC Transducers	Electric components
Voltage Transducers	Electric components
Current Transducers	Electric components
Power Factor Transducers	Electric components
Frequency Transducers	Electric components
Others	Electric components
Others	Electric components, coating/lining, others
Meter Relays	Electric components, others
Others	Electric components, coating/lining

Electric Test and Measuring Instruments

Voltage Current and Power Measuring Instruments	Electric components
Digital, Voltage Current and Power Measuring Instruments	Electric components, Others
DVM / DMM	Electric components
Digital Volt Meters	Electric components, Others
Digital Multi Meters	Electric components
Clamp On Current Meters	Electric components, Others
Digital Power Meters	Electric components
Digital Power Meters	Electric components, Others
Clamp On Power Meters	Electric components, Others
Other, Voltage Current and Power Measuring Instruments	Electric components
DC and AC Voltage Calibrators	Electric components
Voltage Current Standard	Electric components
Oscilloscopes	Electric components
Digital Oscilloscopes	Electric components, Others
Semiconductor and IC Measuring Equipments	Others
SoC Testers	Others
PC Board Testers	Electric components, Others
Board Testers	Electric components, Others
Bare Board Testers	Electric components, Others
Component, Material Measuring Instruments	Electric components, Sealing materials, Plumbing, Valves, Coating/Lining, Others
Component Measuring Instruments	Electric components, Sealing materials, Plumbing, Valves, Coating/Lining, Others
LCR Meters	Electric components, Others
Impedance Meters	Electric components, Others
Inductance Meters	Electric components, Others
Component Measuring Systems	Electric components, Sealing materials, Plumbing, Valves, Coating/Lining
Electro Magnetic Material Measuring Instruments	Electric components, Others
Insulation Resistance Meters	Electric components, Others
Optical Measuring Instruments	Electric components, Others
Optical Power Meters	Electric components, Others
Optical Wavelength Meters	Electric components, Others
Optical Spectrum Analyzers	Electric components, Others
Light Sources	Electric components, Others
Optical Time Domain Reflect meters	Electric components, Others
Optical Fiber Monitoring System	Others
Signal Generators and Oscillators	Electric components, Others
Digital Modulation Signal Generators	Electric components, Others
Others	Electric components, Coating/Lining
Recorders and Data Processing Equipment for Test and Measurements	Electric components, Sealing materials, Coating/Lining, Lubricants, Others
Recorders and Printers for Test and Measurements	Electric components, Sealing materials, Coating/Lining, Lubricants, Others
Data Recorders	Electric components, Sealing materials, Coating/Lining, Lubricants, Others
Others	Electric components, Coating/Lining
Data Processing Equipments for Test and Measurement)	Electric components, Sealing materials, Coating/Lining, Lubricants, Others
Data Acquisition Systems	Electric components, Sealing materials, Coating/Lining, Lubricants, Others
Others	Electric components, Coating/Lining
Other Electric Test and Measuring Instruments	Electric components, Others
Card Type Measuring Modules	Electric components, Others
Others	Electric components, Coating/Lining
Power Supplies	Electric components
Others	Electric components

Test and Measuring Instruments Applying Electronic Technology

Electronic Physical Quantity Measuring Instrument	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, optical coating, solvents, electrodes, others
Speedmeters	Electric components, coating/lining
Dimension Meters	Electric components, sealing materials
Form Measuring Instruments	Electric components
Displacement Meters	Electric components, sealing materials, coating/lining
Tachometers	Electric components, coating/lining, others
Weighing Meters	Electric components, sealing materials, coating/lining
Vibrometers, Impact Testers	Electric components, sealing materials, coating/lining
Manometers	Electric components, sealing materials, coating/lining
Level Gauges	Electric components, sealing materials, coating/lining
Flowmeters	Electric components, sealing materials, plumbing, valves, coating/lining, solvents, electrodes
Thermometers	Electric components, sealing materials, coating/lining, optical coating
Hygrometers	Electric components, sealing materials
Photometers	Electric components, coating/lining
Others	Electric components, sealing materials, plumbing, valves, pumps, coating/lining
Test and Measuring Systems Applying Electronic Technology	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, optical coating, solvents, , electrodes

Measuring and Control Instruments for Factory Automation

Factory Automation Systems	Electric components, sealing materials, valves, pumps, coating/lining, membrane filters, optical coating, others
Components for Factory Automation(Field Instruments)	Electric components, sealing materials, coating/lining, others
Components for Factory Automation(Control & Measurement Instruments)	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, lubricating oil, others
Components for Factory Automation(Others)	Electric components, coating/lining

Process Measuring and Control Instruments	
Transmitters [Detectors, Converters] and Transducers with Indicators	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil, Electrodes, Others
Thermometers	Electric components, Sealing materials, Sealing materials, Coating/Lining
Pressure Gauges	Electric components, Sealing materials, Coating/Lining, Others
Liquid Level Meters	Electric components, Sealing materials, Coating/Lining, Lubricating oil
Flowmeters	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil, Electrodes
Differential Pressure Meters	Electric components, Sealing materials, Coating/Lining, Lubricating oil, Others
Other Meters	Electric components, Sealing materials, Coating/Lining, Others
Receiving Instruments	Electric components, Sealing materials, Lubricating oil, Others
Indicators and Recorders	Electric components, Sealing materials
Controllers	Electric components, Sealing materials, Lubricating oil, Others
Auxiliary Instruments	Electric components
Final Control Elements	Electric components, Sealing materials, Sealing materials, Valves, Coating/Lining, Electrodes, Others
Electrical Final Control Elements	Electric components, Sealing materials, Sealing materials, Coating/Lining, Electrodes, Others
Pneumatic Final Control Elements	Sealing materials, Sealing materials, Coating/Lining, Others
Others Final Control Elements	Electric components, Sealing materials, Sealing materials, Valves, Coating/Lining, Others
Process Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil, Solvents, Electrodes
On-line Process Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil, Solvents, Electrodes
Liquid Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil, Solvents, Electrodes
Gas Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil, Electrodes
Off-line Process Analyzers	Electric components, Sealing materials, Valves, pumps, Coating/Lining, Lubricating oil
Liquid Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil
Gas Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Lubricating oil
Process Monitoring and Control Systems	Electric components, Coating/Lining
Process Computer Control Systems	Electric components
Digital Control Systems [Distributed Digital Control Systems]	Electric components
Telemeters, Telemetric Control Systems	Electric components, Coating/Lining
Multi-point Monitoring and Control Systems	Electric components, Coating/Lining
Control Systems for Special Use	Electric components, Coating/Lining
Others	Electric components, Sealing materials, Coating/Lining
Parts and Accessories	Electric components, Coating/Lining
Instrument Panels and Control Panels	Electric components, Sealing materials, Coating/Lining

Monitoring Instruments for Environmental Quality	
Air Pollution Monitoring Instruments and System	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Optical coating, Lubricating oil, Solvents, Electrodes
Carbon Monoxide Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Optical coating, Lubricating oil, Solvents, Electrodes
Sulfur Oxides Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Optical coating, Lubricating oil
Nitrogen Oxides Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Optical coating, Lubricating oil,
Hydrocarbon Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Ozone Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Particulate Instruments	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Multi-component Gas Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Volatile Organic Compounds Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters
Air Pollution Monitoring Systems and Equipments	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Others Air Pollution Monitoring Instruments and System	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Solvents, Electrodes
Water Pollution Monitoring Instruments and Systems	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Solvents, Electrodes, Others
pH Meters	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Electrodes
Dissolved Oxygen Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Electrodes
Turbidity and Suspended Solid Meters	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Chemical Oxygen Demand Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Total Organic Carbon Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Ultra-Violet Absorption Meters	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Nitrogen and Phosphorus Analyzers	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil
Instruments for Oil in Water and Oil on Water	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Solvents, Others
Water Pollution Monitoring Systems and Equipments	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Electrodes
Others Water Pollution Monitoring Instruments and Systems	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Electrodes
Sound Level Meters	Electric components, Sealing materials
Vibration Level Meters	Electric components, Sealing materials, Coating/Lining
Large size Automotive Emission Analyzers [for Laboratories and Assembly Line]	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Electrodes, Others
Small size Automotive Emission Analyzers [for Inspection and Service]	Electric components, Sealing materials, Sealing materials, Valves, Pumps, Coating/Lining, Membrane filters, Lubricating oil, Electrodes

Radiation Measuring Instruments

Radiation Sensors	Electric components, sealing materials, electrodes
Counters [tubes]	sealing materials
Solid State Detectors	Electric components, sealing materials, electrodes,
Radiation Measuring Apparatuses	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, membrane filters, optical coating, solvents, electrodes, others
Radiation Measuring Apparatuses	Electric components
Low Level Radiation Measuring Apparatuses	sealing materials, electrodes
Energy Analyzing Apparatuses	Electric components, sealing materials, coating/lining, membrane filters, optical coating, others
Radiation Analyzing Apparatuses	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, membrane filters, optical coating, solvents, others
Radiation Monitors	Electric components, sealing materials, plumbing, valves, pumps
Environmental [Radiation] Monitors	Electric components, sealing materials
Gas Monitors	Electric components, sealing materials, plumbing, valves, pumps
Measuring Instruments Utilizing Ionizing Radiation	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, membrane filters, optical coating, solvents, electrodes, others
[Radiation] Thickness Gauge	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, optical coating, solvents, others
[Radiation] Density Gauges	Electric components, sealing materials, plumbing, valves, pumps, coating/lining, membrane filters, optical coating, solvents, electrodes, others