

March 24, 2014



(Blacksburg, VA) NanoSafe, Inc. announces the addition of the Flow Sciences, Inc. FS11300, 3' Process Workstation to its NanoSafe Tested™ registry. The NanoSafe Tested™ registry and summary reports for all products listed on it can be viewed freely at [www.nanosafeinc.com/controls](http://www.nanosafeinc.com/controls). Testing of the unit was completed as part of NanoSafe, Inc.'s Commonwealth Research and Commercialization Fund (CRCF) award from Virginia's Center for Innovative Technology – CIT ([www.cit.org](http://www.cit.org)).

NanoSafe evaluated the containment of aerosolized nanoparticles by a Flow Sciences, Inc., Process Workstation with Bag-in/Bag-out, Dual HEPA Filtration. Testing was adapted from ASHRAE 110-1995, and involved traverse-testing of the workstation sash and HEPA exhaust during aerosolization of silicon dioxide nanoparticles with a geometric mean diameter of 26 nm. NanoSafe's testing procedure provides a useful measure of an enclosure's ability to contain aerosolized nanomaterials. Comparing measurements inside the enclosure and around the enclosure sash opening, and at the HEPA exhaust, containment of aerosolized nanoparticles was greater than 99.99%.

Ray Ryan, the CEO of Flow Sciences, emphasized the commitment of the company to testing the products they manufacture to ensure they meet the containment levels required by their customers to conduct their research. According to Ryan, "Flow Sciences has a testing laboratory where testing to meet the ASHRAE-110 tracer gas standard and surrogate powder testing using lactose and naproxen sodium as surrogates to confirm performance of its products. The testing performed by NanoSafe is a natural extension of the company's commitment to excellence. The third party test provided by NanoSafe ensures the client that Flow Sciences is committed to providing the safest possible product for their use with hazardous/toxic agents in their research."

According to NanoSafe President, Matthew Hull, "Manufacturers of engineering controls continue to seek ways to verify the performance of their products when it comes to containing aerosolized nanomaterials. Our NanoSafe Tested™ process provides manufacturers with the ability to test their products and to communicate objective third-party results to prospective customers." Hull further commented that, "By voluntarily subjecting their products to third-

party testing and agreeing to have summary results reported publicly, companies can take a proactive position on managing risks while protecting intellectual property."

**About NanoSafe, Inc. ([www.nanosafeinc.com](http://www.nanosafeinc.com))**

Founded in 2007 and headquartered in the Virginia Tech Corporate Research Center ([www.vtcrc.com](http://www.vtcrc.com)), NanoSafe helps clients in business, government agencies, and academic institutions manage emerging nanotechnology environmental health and safety (EHS) risks.

**About Flow Sciences, Inc. ([www.flowsciences.com](http://www.flowsciences.com))**

Flow Sciences was founded in 1987 with its offices, manufacturing and development laboratory located in Leland, NC. The company manufactures safety containment equipment for people working with API's (Active Pharmaceutical Ingredients), potent compounds used in research and nano particulate. The company sells its products in 26 countries and 5 continents and is the standard at many major pharmaceutical firms.

**About the NanoSafe Tested™ Process ([www.nanosafeinc.com/nanosafe\\_tested](http://www.nanosafeinc.com/nanosafe_tested))**

NanoSafe Tested™ means that NanoSafe, Inc. subjected a manufacturer's product to defined testing criteria developed from existing test standards and peer-reviewed literature at an independent test facility. The purpose of the NanoSafe Tested™ mark and summary report is to indicate the testing was performed in accordance with the criteria and that the manufacturer agrees to make summary results available to the public on the NanoSafe Tested™ Registry. Due to the developmental nature of nanotechnology products and associated standards, NanoSafe Tested™ means only that a client's product has been subjected to the testing criteria. It does not mean that a particular product is safe for human, animal, or plant interaction nor that the product will satisfy governmental standards of safety or compliance. Additional restrictions may apply.