

NEWS RELEASE

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**Cerilliant Introduces Certified Spiking Solutions®  
of Bath Salt Metabolites**

ROUND ROCK, TEXAS – July 24, 2013 – Cerilliant introduces seven new Certified Spiking Solutions® of bath salt metabolites. The new products are 1.0 mg/mL (as free base) in methanol for the primary urinary metabolites of bath salt cathinones, mephedrone, buphedrone, pentedrone, flephedrone, N-ethylcathinone, and 4-methylethcathinone. For GC/MS and LC/MS methods that quantify concentrations of synthetic cathinone metabolites, Cerilliant also offers the corresponding deuterium-labeled internal standard to compliment this new line of certified reference solutions.

Metabolism of synthetic cathinones presents significant challenges to the analytical laboratory. Routine screening of parent synthetic cathinones by GC/MS or LC/MS is not always sufficient to identify a positive result, because many of the parent drugs are extensively converted to reduced or dealkylated metabolites.<sup>1</sup> Some laboratories have reported a substantial number of specimens that contain reduced metabolites of synthetic cathinones, but no trace of the parent drugs.<sup>2</sup> In these cases, screening user samples for the presence of the metabolites would be critical to confirm a positive result.

“The synthetic cathinone metabolites product line provides our customers additional certified solution standards for their bath salt testing methods, especially for cases where the user samples may only contain the metabolites and no parent drug,” states Derrell Johnson, Cerilliant’s New Product Development Manager.

Cerilliant offers a wide selection of certified Snap-N-Spike® solutions for use in clinical toxicology applications, medication monitoring, forensic analysis, employee drug screening, and urine drug testing including parent drug, metabolite, and internal standard Certified Spiking Solutions® of benzodiazepines, opiates and synthetic analgesics, anticonvulsants, cannabinoids, antidepressants, barbiturates, and alcohol/ethanol in addition to synthetic cathinones and cannabinoids including Spice as well as other new designer drugs.

Cerilliant Snap-N-Spike® solutions are prepared and certified to the highest industry standards including ISO Guide 34, ISO 17025 and ISO 13485. For standards of controlled substances, our DEA exemptions allow laboratories to order these standards without DEA paperwork.

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### **About Cerilliant**

*Cerilliant Corporation, located in Round Rock, Texas, is a global leader in providing certified reference standards for critical applications. The company has been providing certified reference materials for over 30 years. Cerilliant offers more than 3,000 catalog products and a full range of custom products and services that address the stringent and complex requirements of the pharmaceutical, clinical diagnostic, clinical/forensic toxicology, natural products, and environmental industries. Cerilliant sustains a modern, robust quality system that incorporates cGMP, GLP, and ISO requirements. We are accredited to ISO Guide 34 and ISO/IEC 17025 and certified to ISO 13485 and ISO 9001:2008.*

*Cerilliant Corporation is a subsidiary of Sigma-Aldrich®. For more information about Cerilliant, please visit [www.cerilliant.com](http://www.cerilliant.com).*

- 1.) Uralets V, Rana S, Ross W. Designer Stimulants – Evolving Abuse Patterns. Presented at Mass Spectrometry: Applications to the Clinical Lab, San Diego, CA, 12 February 2013.
- 2.) Uralets V, Rana S, Ross W. Excretion profiles for 13 designer synthetic cathinones in human urine. Interpretive value of  $\beta$ -hydroxy metabolites. Presented at Mass Spectrometry: Applications to the Clinical Lab, San Diego, CA, 17 January 2012.