Dioxins and Furans
ISO Guide 34 & ISO/IEC 17025

1st June 2009

LGC Standards

Excellence through measurement

Setting standards in analytical science

Dioxins and Furans covered by ISO Guide 34 and ISO/IEC 17025

Now available from LGC Standards

LGC Standards is delighted to offer the first isotope labelled dioxin and furan standards covered by ISO Guide 34 and ISO/IEC 17025 accreditations. The standards, with their unlabelled counterparts, are manufactured for Cambridge Isotope Laboratories (CIL) by Cerilliant Corporation. In November 2008, Cerilliant added the accreditations of ISO Guide 34 and ISO/IEC 17025 to its arsenal of quality credentials.

CIL and Cerilliant have been the world leaders in the production of isotope labelled environmental standards for nearly 30 years. Their pioneering work in the preparation of chlorinated and brominated dibenzo-p-dioxin and dibenzofuran standards led to the first International Round Robin study by many of the worlds leading labs to establish consensus values for the most important dioxin and furan isomers. Since then CIL and Cerilliant standards have been used by the world's leading ultra-trace analytical labs and have been accepted as the world's "gold standards" for analyses in this area.

The availability of these standards meets a growing need for laboratories to use products from accredited suppliers. ISO/IEC 17025 requires laboratories to ensure the competence of producers of reference materials. Accreditation to ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" is designed to ensure competency in the manufacture of reference materials and assurance that international guidelines are followed in the production and assignment of material property values. The incorporation of ISO Guide 34 and ISO/IEC 17025 to Cerilliant's quality manufacturing program adds one more validation to a 30-year history of quality credentials.

This accreditation covers products coded CIL-ED, CIL-EF and CIL-EDF on page 523-554 of our Analytical reference materials, standards, and high purity solvents 2008/2009 catalogue, as well as C13 labelled PAHs on pages 601-602 and labelled chemical weapons metabolites on pages 637-638.

Certificates of analysis can be obtained on request.

A copy of the accreditation certificate can be seen below:

CERTIFICATE OF ACCREDITATION

ACLASS Accreditation Services

An ANSI-ASQ National Accreditation Board Company

2009 N. 14th Street, Suite 502, Arlington, VA 22201, 877.344.3044

This is to certify that

Cerilliant Corporation
811 Poloma Drive, Suite A
Round Rock, TX 78665

has been assessed by ACLASS®
and meets the requirements of international standard

ISO Guide 34 (RMP)

while demonstrating technical competence in the field(s) of

Chemical CRM's

Refer to the accompanying Scope(s) of Accreditation for information regarding the types of reference material production to which this accreditation applies.

AR # 1353

CERTIFICATE NUMBER

ACLASS APPROVAL

Certificate Valid: 11/21/2008-11/21/2010

ACLASS Accreditation Services
An ANSI-ASQ National Accreditation Board Company

SCOPE OF ACCREDITATION TO ISO GUIDE 34:2000

Cerilliant Corporation
811 Paloma Drive, Suite A , Round Rock, TX 78665
Lara Sparks Phone: 512-310-5109

REFERENCE MATERIAL PRODUCER

Valid to: November 21, 2010 Certificate Number: AR-1353

Category and Sub-Category of Reference Material	Class or Type of Reference Materials Produced (include range where applicable)	Methods or Techniques Utilized in the RMP Laboratory if appropriate
Certified Reference Material (CRM) • Chemical	• Single component organic materials either neat or in dilute organic or aqueous solvents. Dilutions range from (0.05 to 5) mg/ml. CRM Categories : ■ Pharmaceutical substances ■ Metabolites ■ Intermediates ■ Impurities and degradants ■ Drugs of abuse ■ High-purity environmental contaminants ■ Polycyclic aromatic hydrocarbons ■ Pesticides ■ Dioxins and furans ■ Chemical warfare verification compounds ■ Explosives and highly reactive compounds ■ Stable isotope labeled materials ■ Ethanol / Alcohol	• Chromatography, USP - 621 (HPLC and GC) • Mass Spectrometry USP – 736 (LC-MS and GC-MS) • Nuclear Magnetic Resonance (NMR) USP – 761 • FTIR – USP 851 • Water Determination – USP – 921 (Karl Fischer Analysis) • Residual Solvent Limits – Cerilliant Method AM1087 (GC/FID Headspace) • Neat and Dilute Organic Reference Materials Cerilliant Method AM1271

Notes:
1. *This scope is part of and must be included with the Certificate of Accreditation No. AR-1353*

Vice President

2009 N. 14th Street, Suite 502 | Arlington, VA 22201 | 703.351.9139 | www.aclasscorp.com