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1 August 2015

**Committee F40 on Declarable Substances in Materials
Subcommittee F40.01 on Test Methods**

Research Report: F40-1005

**Interlaboratory Study to Establish Precision Statements for ASTM
F2617-15, Standard Test Method for Identification and Quantification
of Chromium, Bromine, Cadmium, Mercury, and Lead in Polymeric
Material Using Energy Dispersive X-ray Spectrometry**

Technical contact:

Bruno Vrebos,
PANalytical Inc
Lelyweg 1
Almelo, 7602EA
NL
BRUNO.VREBOS@PANALYTICAL.COM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

1. Introduction:

Interlaboratory Study 115 was conducted to establish a precision statement for F2617, Standard Test Method for Identification and Quantification of Chromium, Bromine, Cadmium, Mercury, and Lead in Polymeric Material Using Energy Dispersive X-ray Spectrometry.

2. Test Method:

The Test Method used for this ILS is F2617-15. To obtain a copy of F2617, go to ASTM's website, www.astm.org, or contact ASTM Customer Service by phone at **610-832-9585** (8:30 a.m. - 4:30 p.m. Eastern U.S. Standard Time, Monday through Friday) or by email at service@astm.org.

3. Participating Laboratories:

The following laboratories participated in this interlaboratory study:

CPSC- HH, BT, HD Prime
David Cobb
5 Research Place
Rockville, MD 20850
301-987-2051

Intel Corporation- HH
Dick Casali
5200 NE Elam Young Parkway
M/S HF2-68
Hillsboro, OR 97124
Dick.casali@intel.com

Intertek- HD Prime
Bob Altkorn
2107 Swift Drive, Suite 200
Oak Brook, IL 60523
USA
+16304813155
bob.altkorn@intertek.com

National Metal and Materials- BT
Dr. Nudjarin Ramungul / Dr. Aree
Thanaboonsombut
114 Thailand Science Park,
Paholyothin Road, Klong Luang,
Pathumthani 12120
Thailand
nudjarr@mtec.or.th, areeh@mtec.or.th

Olympus Innov-X- HH
Brendan Connors
100 Sylvan Rd Ste 100
Woburn, MA 01801
+1-617-480-6257
brendan.connors@olympusndt.com

Oxford MET5100- HH
Marjo Lievonen
PO Box 85
F.I 02631 ESPOO
Finland
Marjo.Lievonen@oxinst.com

Oxford Strata 980- BT
Compensated
Christelle Petiot
Halifax Road
High Wycombe
Bucks HP123SE
UK
Christelle.Petiot@oxinst.com

PANalytical E3- Taco van der Maten
Lelyweg 2
NL-7602 EA Almelo
The Netherlands

PANalytical E5- Floor Polarized
Taco van der Maten
Lelyweg 2
NL-7602 EA Almelo
The Netherlands

SPECTRO Analytical- HH & BT
Boschstr 10
KLEVE
47533
DE
Dirk Wissmann
DWissmann@spectro.com

TUV- BT
Mark Smith
2709 SE OXS Corley Dr
Bentonville, AR 72712
msmith@us.tuv.com

Underwriters Laboratories Inc- HH
1285 Walt Whitman Rd
Melville, NY 11747
Scott MacLeod
SCOTT.C.MACLEOD@US.UL.COM

XOS Lab- HD Prime
Satbir Nayar
15 Tech Valley Drive
East Greenbush, NY 12061
snayar@xos.com

4. Description of Samples:

There were 8 samples of varying targeted results used for this study. Each sample was distributed by Taco van der Maten of PANalytical, Almelo, the Netherlands. Below is a list of the samples with the corresponding supplier:

1. Disc Blank
 Provided by DSM Resolve, Geleen, the Netherlands
2. Disk # A
 Provided by DSM Resolve, Geleen, the Netherlands
3. Disk # B
 Provided by DSM Resolve, Geleen, the Netherlands
4. Disk # C
 Provided by DSM Resolve, Geleen, the Netherlands
5. Granulate # A
 Provided by DSM Resolve, Geleen, the Netherlands
6. Granulate # B
 Provided by DSM Resolve, Geleen, the Netherlands
7. Granulate # C
 Provided by DSM Resolve, Geleen, the Netherlands
8. Granulate Blank
 Provided by DSM Resolve, Geleen, the Netherlands

5. Interlaboratory Study Instructions

Laboratory participants were emailed the test program instructions. For a copy of the instructions, please see Annex A.

6. Description of Equipment/Apparatus¹:

¹ The equipment listed was used to develop a precision statement for F2617-15. This listing is not an endorsement or certification by ASTM International.
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