U.S. Department
of Transportation
**Federal Aviation
Administration**

Transport Airplane Directorate
Los Angeles Aircraft
Certification Office

3960 Paramount Boulevard
Lakewood, California 90712-4137

September 16, 2015
In reply refer to: 150L-15-388

Ms. Suzanne Cannell
Element Materials Technology
1857 Business Center Drive
Duarte, California 91010

Subject: Flammability Test Facility and Procedures

References: Element's Letters Dated May 12, 2015, August 12, 2015, and September 10, 2015

Dear Ms. Cannell:

On July 29, 2015, Tracy Ton and Edison Fabian of this office visited Element Materials Technology to review and re-evaluate your previously FAA accepted flammability test apparatus, and test procedures due to your facility relocation from the original 1024 Grand Central Avenue Glendale CA location to the new location at 1857 Business Center Drive, Duarte, CA 91010. The re-evaluation also included the modified heat release calorimeter as described in your letter dated May 112, 2015 and the newly acquired multipurpose flammability cabinet, MarlinEngineering Model No. 1500-3.

It was found that the Element Materials Technology meets the standards to qualify as an "FAA accepted test facility". The testing conducted at your location and witnessed by the appropriate DER will be acceptable for flammability testing of materials as noted under 14 Title Code of Federal Regulations (CFR) Part 25 Appendix F, Part I, Part IV, and Part V when testing is done with an approved test plan, FAA conformed test specimens and with prior approval and authorization to witness the testing on behalf of the FAA.

We have reviewed and approved the Element test procedures, those were submitted with your reference letters, as listed below:

SOP FLAM-001, Revision 4	Vertical Ignition, 12 or 60 second
SOP FLAM-002, Revision 4	Horizontal Ignition, 15 second
SOP FLAM-003, Revision 4	45° Ignition
SOP FLAM-004, Revision 2	60° Ignition
SOP FLAM-006, Revision 2	Protocol of Operation for NBS (NIST) Smoke Density Chamber
SOP FLAM-007, Revision 3,	Protocol of Operation for OSU Heat Release Rate Apparatus

Your facility will be subject to re-inspection from time to time, to insure the continued quality of testing. It should also be noted that a relocation of the testing site or modification of the test apparatus might also require a re-inspection.

Should you have any further questions, please call Ms.Tracy Ton at the telephone number (562) 627-5352. All correspondence should be addressed to: Federal Aviation Administration, Los Angeles Aircraft Certification Office, 3960 Paramount Boulevard, Lakewood, California 90712-4137, ATTN: Ms. Tracy Ton, ANM-150L.

Sincerely,

Paul Lipski
ACTING Manager, Cabin Safety/Mechanical and
Environmental Systems Branch