TEST REPORT

Date of Report:	11/8/2018
Project ID / Job Number:	162459
Client:	**Alien Technology Corporation**
Address:	**18220 Butterfield Blvd** **Morgan Hill, CA 95037 USA**
Model Identification:	**EC ALC-380**
Item Description:	Component
Number of Samples Submitted:	1
Additional Information:	None
Test Parameters:	**Toxics in Packaging Clearinghouse (TPCH)**
Date Received:	8/4/2015
Testing Period:	10/24/2018 – 11/8/2018
Delivery Condition:	*Apparent Good*
Testing Location:	TÜV Rheinland of North America 2709 SE Otis Corley Dr, Suite 11 Bentonville, AR 72712 USA
Other Aspects:	N/A

Test Report Compiled by:

William Tyree / Senior Chemist

Test Report Reviewed by:

Mark Smith / Laboratory Manager

Test result is drawn according to the kind and extent of tests performed. This test report is not permitted to be duplicated in extracts without permission of the test facility. This test report does not entitle any safety mark on this or similar products.

Test Parameters:

Test Specification: Toxics in Packaging Clearinghouse (TPCH)

Test Result: The above described test object was tested and **passed** the above-mentioned test specification.

Test Requirement: TPCH limits the content of heavy metals such that the sum of concentration levels of lead, cadmium, mercury and hexavalent chromium present in packaging or packaging components shall not exceed 100 ppm by weight.

Evaluation Summary:

Material list

Material No.	Material	Color	Description
M001	Glass	Pink	EC ALC-380

Test Results:

Test method: The sample was analyzed by High Definition X-Ray Fluorescence Spectrometry (HD-XRF).

Dates of Analysis:

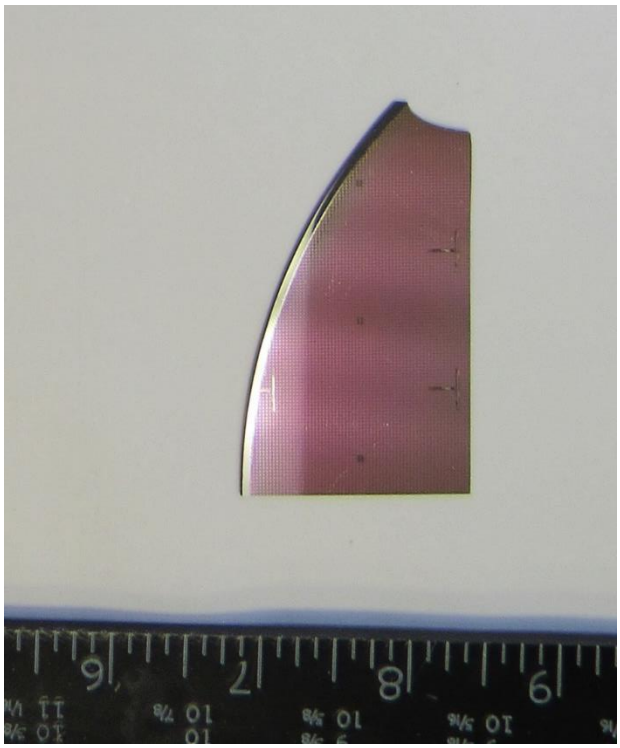
Test No.	Material or Component	Hexavalent Chromium(1)	Cadmium	Mercury	Lead	Total	Maximum Permissible Limit 100 mg/kg TOTAL
		MDL = 5 mg/kg					(Pass/Fail)
1	M001	<5	<13	<5	<5	<28 mg/kg	Pass

Abbreviation: MDL = Method Detection Limit ND = None Detected
mg/kg denotes milligram per kilogram (ppm)

(1) Stated concentration is based on total chromium results

Instrument	Supplier/Vendor	Model / Type
X-Ray Fluorescence Spectrometry	XOS	HD Prime

Sample Photos:



Test Article

---END---