



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
POST OFFICE BOX 3990
COLUMBUS, OH 43218-3990

March 4, 2024

Arlen Chou
President
Golden Altos Corporation
44061 Old Warm Springs Blvd
Fremont, CA 94538

Dear Mr. Chou:

Re: Commercial Laboratory Suitability Status; MIL-STD-883; FSC 5962; VQC-24-038514; CN: 087304.

Based on the results of the DLA Land and Maritime audit conducted during the week of January 23-25, 2024, Golden Altos Corporation is considered suitably equipped to perform the MIL-STD-883 tests, listed in the enclosure, on monolithic microcircuits in accordance with the requirements of military specification MIL-PRF-38535 effective immediately.

Your laboratory is to maintain a record for all microcircuit testing and submit a summary annually to DLA Land and Maritime-VQC which will include the following as a minimum:

1. Retention Report
 - a. Military Part Number
 - b. Vendor Part Number
 - c. Manufacturer/ Customer
 - d. Lot Date Code
 - e. Test Method(s) and Specified Conditions
 - f. Date Test Completed
 - g. Quantity Tested
 - h. Quantity Accepted and Rejected When Evaluating Acceptability
2. Summary of Internal Audit Results
3. Master List of Controlled Documents, Including Revision Information

The standard retention reporting period is from 01 Jan through 31 Dec. Your report is then due by 01 March the following year.

Test labs shall notify the qualifying activity immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem on their military products utilizing the test methods on the attached enclosure. Failure to provide prior notification may be grounds for removal from DLA Land and Maritime's Commercial Lab Suitability Listing.

This Laboratory Suitability is subject to the policies, procedures, and conditions of the Defense Standardization Program, as published in the manual DoD 4120.24-M, SD-6, and the DLA Land and Maritime-VQ Laboratory Suitability Booklet.

This laboratory suitability is valid until withdrawn by DLA Land and Maritime-VQC. Any deviation to the test method or condition(s) listed herein must be approved by the Qualifying Activity.

If you have any questions, please contact Mr. Paul Granchi at (614) 692-9975.

Sincerely,

MICHAEL S. ADAMS
Chief
Custom Devices Branch

Enclosure

Visit us on the web at: http://www.landandmaritime.dla.mil/offices/sourcing_and_qualification/

<u>TEST</u>	<u>METHOD/CONDITION</u>	<u>Performed at Golden Altos Corporation</u>	<u>Other Labs (subcontractor s)</u>
Insulation Resistance	1003		ECR Labs
Moisture Resistance	1004	x	ECR Labs
Steady State Life Test	1005 A,B,C,D	x	
Stabilization Bake	1008 A,B,C,D,E,F,G	x	
Salt Atmosphere	1009 A, B, C, D	x	ECR Labs
Temperature Cycling	1010 A,B,C,D,E,F	x	
Thermal Shock	1011 A,B,C	x	Micross Milpitas
Seal	1014 A1,A2,C1	x	
Burn-in	1015 A,B,C,D	x	
Internal Water-Vapor Content	1018		ORS & EAG
Constant Acceleration	2001 A,B, C, D,E	x	
Mechanical Shock	2002 A, B	x	ECR Labs Quanta Labs
Solderability	2003 A,B	x	
Solderability	2003 A,B,C,S,CGA 2.3.2		Six Sigma
Lead Integrity	2004 B1,B2,D	x	
Vibration, Variable Frequency	2007 A	x	ECR Labs Micross Milpitas
External Visual	2009	x	
Internal Visual	2010 A,B	x	
Destructive Bond Strength	2011 D	x	
Radiography	2012 (Film) & Digital		ECR Labs NDT Labs
Internal Visual and Mechanical	2014	x	
Resistance to Solvents	2015	x	
Physical Dimensions	2016	x	
Die Shear Strength	2019	x	

PIND	2020 A,B	x	ECR Labs NDT Labs
Non-Destructive Bond Pull	2023	x	
Lid Torque	2024	x	
Adhesion of Lead Finish	2025	x	
Substrate attach Strength	2027	x	
PGA Destructive Lead Pull	2028		Micross Milpitas
ESDS Classification	3015		ICE
Electrical Test	Note 1		I-Test Micross Milpitas Integra Tech

Note 1: Electrical test systems are certified in compliance with MIL-STD-883 paragraph 4.5 as applicable. Golden Altos need to verify the system is suitable to perform electrical test over military case temperature (T_{case}) of 25°, 125°, and -55° C. Electrical Test suitability does not cover individual test programs. It is the responsibility of the commercial lab to obtain a record of customer approval stating that the hardware/software integration, including resolution and accuracy are adequate to meet the forcing and measurement conditions required, for the specified device type.