



REPORT

CUSTOMER PO NO.:
ALS THAILAND REF NO.: ATT/ELP/14/4246-IB
DATE: 16 March 2015
COMPANY: SEI Interconnect Products (Thailand)Ltd.
700/128 Moo 5 Bangna-Trad Road, T. Klong Tam Roo
A. Muang, Chonburi 20000

DATE SAMPLE RECEIVED: 09 March 2015
DATE ANALYZED: 12 March 2015
DATE TEST COMPLETED: 16 March 2015

SAMPLE DESCRIPTION: One lot of sample was received with references:
Description: RQ15-0318 Giant_LSI FCOF ww# 37
After Crest# 02 cell# 03
Lot No.1537-114016-PA-008
PN : 2161-771404-158
PR : 18kn00012728
Model: Giant_LSI FCOF
Surface Area: FCOF = 34.28 cm²

METHOD/PROCEDURE:

Test	Procedure No	Number of pieces used for extraction	Extraction Medium	Extraction Volume
IC	2092-000121 Rev AB	1	Ultrapure water at 80°C	50 mL

Results:

The specification is based on Western Digital's document no.96-004575 Rev.AX for Flex Circiut and Flex Circiut Assembly (3.5" Enterrpise & 3.5" Desktop)

Required Test	Analytes	Specification Limits (ng/cm ²)	Results (ng/cm ²)	Method Detection Limit (ng/cm ²)	PASS / FAIL
IC (Anions)	Fluoride as F	< 20	Not Detected	0.73	PASS
	Chloride as Cl	< 20	1.62	0.73	PASS
	Bromide as Br	< 20	3.80	0.73	PASS
	Nitrate as NO ₃	< 20	Not Detected	0.73	PASS
	Sulfate as SO ₄	< 20	Not Detected	0.73	PASS
	Phosphate as PO ₄	< 20	Not Detected	0.73	PASS
	Total Anions	< 60	5.42	-	PASS



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Required Test	Analytes	Specification Limits (ng/cm2)	Results (ng/cm2)	Method Detection Limit (ng/cm2)	PASS / FAIL
IC (Cations)	Lithium as Li	NA	Not Detected	0.88	NA
	Sodium as Na	NA	Not Detected	0.88	NA
	Ammonium as NH4	NA	1.03	0.88	NA
	Potassium as K	NA	Not Detected	0.88	NA
	Magnesium as Mg	NA	Not Detected	0.88	NA
	Calcium as Ca	NA	Not Detected	0.88	NA
	Total Cations	< 60	1.03	-	PASS

ALS Testing Services
(Thailand) Co.,Ltd.

Warunee Maneesuwan
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