

**REPORT**

CUSTOMER'S REF NO:

ALS THAILAND REF NO: ELP-1171-D

DATE: 22/9/2015

COMPANY: Sei Interconnect Products (Thailand) Ltd.700/128 Moo 5 Bangna-

DATE SAMPLE RECEIVED: 2/9/2015

DATE ANALYZED: 2/9/2015

DATE TEST COMPLETED: 17/2/2015

SAMPLE DESCRIPTION: One lot of sample was received with references:

Description: RQ15-0500 FCOF Diablo 3S TI M

Model: Diablo 3S TI FCOF

Surface Area: FCOF = 32.14 cm<sup>2</sup>

Remark:

## METHOD/PROCEDURE:

Analysis	Procedure No	Number of pieces used for extraction	Extraction Medium	Extraction Volume
DHS	2092-001026 Rev. AC	1	Purified Nitrogen	180mins x 65sc cm

## RESULT:

The specification is based on Western Digital's document no. 2092-001026 Rev. AC for Flex Circuit and Flex Circuit Assembly (FCOF) (3.5 Desktop)

Required Test	Analytes	Specification Limits,( )	Results ,( )	PASS/ FAIL
DHS	Total Acrylate and Methacrylate	NA	Not Detected	
	Total Acrylate	NA	Not Detected	
	Total Methacrylate	NA	Not Detected	
	Total Siloxane	<30	Not Detected	PASS
	Total Silane	ND	Not Detected	
	- 1-Butoxy-2-ethylhexane; Butyl 2-et	-	NaN	
	- 4-AMINO-2-[4-AMIDINOAMINO-1-(4-NIT	-	NaN	
	- 4-Brendanol; 1,5-Methanopentalen-2	-	NaN	
	- Propanoic acid, 2-methyl-, 1-(1,1-	-	NaN	
	- CYCLOHEXADECAN, PERDEUTERO-	-	NaN	
	- Spiro[cyclopentane-1,1'(3'H)-isobe	-	NaN	
	- 1-Butoxy-2-ethylhexane; Butyl 2-et	-	NaN	
	- 4-AMINO-2-[4-AMIDINOAMINO-1-(4-NIT	-	NaN	
	- 4-Brendanol; 1,5-Methanopentalen-2	-	NaN	
	- Diethyl Phthalate	-	NaN	
	- CYCLOHEXADECAN, PERDEUTERO-	-	NaN	
	- Spiro[cyclopentane-1,1'(3'H)-isobe	-	NaN	
	Total Sulfur Compound	NA	Not Detected	
	Total Phthalate	NA	21.28	
	- Diethyl Phthalate	-	NaN	
	- Diethyl Phthalate	-	NaN	
	Total Phenol	NA	5.09	
	- Phenol	-	NaN	

DHS	- Phenol	-	NaN	
	Total Alcohol	NA	Not Detected	
	Total Others	NA	2.66	
	- Formamide, N,N-dimethyl-	-	NaN	
	- Formamide, N,N-dimethyl-	-	NaN	
	Total Initiator	NA	11.71	
	- Benzaldehyde	-	NaN	
	- Benzaldehyde	-	NaN	
	Total Antioxidant	NA	Not Detected	
	Total Hydrocarbon	NA	36.75	
	Total Aromatic Hydrocarbon	NA	27.38	
	- Toluene	-	NaN	
	- Toluene	-	NaN	
	- Anthracene-d10-	-	%Recovery 82.06	
	Total Aliphatic Hydrocarbon	NA	9.37	
	- Heptane	-	NaN	
	- Hexane	-	NaN	
	- Heptadecane	-	NaN	
	- Eicosane	-	NaN	
	- Heptane	-	NaN	
	- Hexane	-	NaN	
	- Heptadecane	-	NaN	
	- Eicosane	-	NaN	
	- PERDEUTERIO-PENTADECANE	-		

DHS	Hydrocarbon Hump	NA	Not Detected	
	- Hydrocarbon Hump(Subtracted)	-	NaN	
	Total Outgassing	<2000	NaN	FAIL

ALS Testing Services  
(Thailand) Co.,Ltd.

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