



## REPORT

CUSTOMER'S REF NO:  
ALS THAILAND REF NO: ELP-1145-LB  
DATE: 22/9/2015  
COMPANY: Boyd Technologies (Thailand) Co., Ltd. 555 Rasa Tower II, Unit 14  
  
DATE SAMPLE RECEIVED: 9/2/2015  
DATE ANALYZED: 9/2/2015  
DATE TEST COMPLETED: 17/2/2015  
SAMPLE DESCRIPTION: One lot of sample was received with references:  
Description: Makara Bottom Damper (E-Polishi)  
Model: P/N: 709700100  
Surface Area: 0.39 Sq.inch (2 side)  
Remark:

### METHOD/PROCEDURE:

Analysis	Procedure No	Number of pieces used for extraction	Extraction Medium	Extraction Volume (mL)
LPC	20800040-001 Rev.AC	10	0.1 um Filtered Degassed DI Water	900

### RESULT:

The Specification is based on Seagate's Doc 20800010-280 Rev.BE for Damper (Internal and external to HDA), ACA Dampers, VCM Damper

Liquid Particle Count (68 KHz)	Specification Limits, (Counts/cm <sup>2</sup> )	Results, (Counts/cm <sup>2</sup> )
Total number of particles $\geq 0.3\mu\text{m}$		
1st Run		1,504
2nd Run		949
3rd Run		921
Average	NA	1125

Liquid Particle Count (68 KHz)	Specification Limits, (Counts/cm2)	Results, (Counts/cm2)
Total number of particles $\geq 0.6\mu\text{m}$		
1st Run		241
2nd Run		136
3rd Run		139
Average	NA	172

ALS Testing Services  
(Thailand) Co.,Ltd.

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