

# Certificate of Compliance



Covaris Part Number: 340173 RevA

TPA Part Number: TPA-0340A-00 Rev A

Serial Number: SN000070

This is to certify that the product identified by the above part number and serial number has been manufactured, processed and inspected in accordance with requirements of the purchase order.

## TPA-0340A-00 Quality System Validation Data

- Test Completed by Technician: SE on Apr 13 2020 at 12:32 PM; Fixture Revision: Rev A

		PASS/FAIL Criteria	Actual	PASS/FAIL
Sensor/Interlock Function:		All Function	<u>PASS</u>	PASS
Motor Function:		All Function	<u>PASS</u>	PASS
Minimum Speed Test:		XC>100; YZ>25mm/sec	<u>PASS</u>	PASS
Travel (sensor-to-sensor)	X-Axis:	PASS>=119	<u>121.52 mm</u>	PASS
	Y-Axis:	PASS>=11	<u>12.40 mm</u>	PASS
	Z-Axis:	PASS>=52	<u>53.06 mm</u>	PASS
	C-Axis:	PASS>=168	<u>170.21 mm</u>	PASS
X-Axis Precision	Accuracy:	.125mm (full travel)	<u>0.087 mm</u>	PASS
	Bi-dir Repeatability:	.125mm (full travel)	<u>0.030 mm</u>	PASS
Z-Axis Precision	Accuracy:	.075mm (lower 10mm)	<u>0.006 mm</u>	PASS
	Bi-dir Repeatability:	.075mm (lower 10mm)	<u>0.006 mm</u>	PASS
X-Axis Center Position:		>=59mm to each sensor	<u>60.931 mm</u>	PASS
Y-Axis Center Position:		>=5mm to each sensor	<u>5.926 mm</u>	PASS
Z-Axis Lower Limit Position:		52<=Z<=53	<u>52.693 mm</u>	PASS

## TPA-0340A-00 Plate Holder Alignment Validation Data

Static Yaw Alignment:	<=0.087mm TIR	<u>-0.040 mm</u>	PASS
Static Roll Alignment:	<=0.087mm TIR	<u>0.010 mm</u>	PASS
Static Pitch Alignment:	<=0.087mm TIR	<u>0.010 mm</u>	PASS
Dynamic Roll as Y-axis Travels:	<=0.087mm TIR	<u>0.010 mm</u>	PASS
Dynamic Pitch as X-axis Travels:	<=0.087mm TIR	<u>0.030 mm</u>	PASS
Z Straightness of Travel (lower 10mm):	<=0.125mm TIR	<u>-0.010 mm</u>	PASS

9/30/2021

Barry Bruhns, General Manager

Date