



CIN : U33125KL1993PTC006984
GST No: 32AAACH9492C1ZQ

ISO 9001:2015

HOLMARCO
OPTO-MECHATRONICS PVT.LTD

B-7., H.M.T. Industrial Estate, H.M.T. PO, Kalamassery
Kochi - 683 503 Kerala, India.
Email : sales@holmarc.com, PH : 91-484-2540075



QA/Test Report

Equipment name : Spray Pyrolysis Equipment

Date:

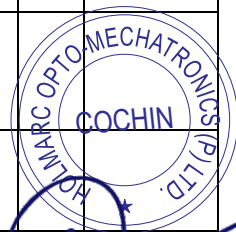
Model No./ Serial no. :

Customer/Job card No.

Standard Test Procedure: (

All the tests are performed based on the theory of the respective experiment and/or by calibrated instruments.)

Sl No	Specific Test Conducted	Test Result	Specification/ Accepted values	Pass /Fail	Remarks
1.	Basic Inspection		Model No., Painting , Finishing , stability and other visual parameters		
2.	Vibration and noise checking		Run a sample program and check		
3.	Functioning of home and far limit sensors of the XY stage.		Run to Home and far position and it will stop automatically.		
4.	Speed and travel of the XY stage		Max. 1 % error for all speeds		
5.	Functioning of home and far limit sensors of the dispenser		Operate the dispenser throughout its travel range in 'load' and 'drain' mode.		
6.	Exhaust fan and the chamber light		Switch on the Exhaust fan and chamber and check working.		
7.	Check the voltage at solenoid valves input		Voltage 0.1 % Error		
8.	Compressor pressure		Verify that the compressor cuts off at the set pressure level		
9.	Connectivity		RS232/USB cable		
10.	Flow rate		1 % error max.		
11.	Flow switch		Verify the functioning of the flow switch at various modes like load, drain and spray		



JOLLY CYRIAC
Managing Director



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Business Hours
Monday to Saturday: 9:00am - 5:00pm






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12.	Flow test		Load water from a beaker to the container, drain it and check for continuous flow		
13	Flow rate and Speed		Operate the instrument using different sample programs of different flow rates and speed.		
14	Spray quality		Verify the quality of spray varying the pressure level		
15	Nozzle test		Test all the three types of nozzles - regular, syringe pump and ultrasonic types		
16	Ultrasonic nozzle		Ensure that the ultrasonic nozzle power supply is not heating up excessively during operation.		
17	Temperature controller and sensor		Verify the parameters entered in the temperature controller - sensor type (K type), low set point (15 Degree) and high set point (500 Degree).		
18.	Temperature controller and sensor		Auto-tune the controller at 300 Degree Celsius set point		
19.	Temperature controller and sensor		Verify the displayed temperature using an external temperature sensor. Check for uniformity of the temperature across the whole area of the top plate		
20.	Temperature controller and sensor		. Compare the displayed temperature with the external sensor display at different set points		
21.	Hot plate		Check continuous functioning of the hot plate for one hour		


COCHIN
HOLMARC OPTO-MECHATRONICS (P) LTD.

Checked by

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Approved by

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