

# INSTALLATION, COMMISSIONING & SAT REPORT


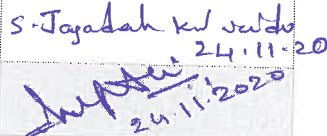
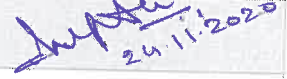


## **Pall India Pvt Ltd**

PASS Division  
Survey #.237, IT Park Phase 1,  
Hinjewadi, Tal Mulshi  
Pune 411057  
Phone: +91 20 66751303

### 1. PROJECT DETAILS

Sr.No.	Project Description	Project Details
a)	Customer Name	<b>INDIAN IMMUNOLOGICALS LIMITED. Rakshapuram, opposite to Stadium, Indian Immunologicals Colony, Gachibowli, Telangana 500032</b>
b)	Customer PO #. / dated	<b>4511003151/04.03.2020, Amended Date 27.04.2020</b>
c)	Customer Material Code # / Material description / Quantity	ALP0070/ PALL Make Semi auto CM500/ 01 No
d)	Customer Project Manager Name	<b>Mr. Rajendra Lingala</b>
e)	Pall India Sales Order #	<b>3545981</b>
f)	Pall India Project #	<b>05.000938</b>
g)	Pall India Project WBS #	<b>05.000938.01</b>
h)	Pall India Project Manager Name	Rajesh Kudva
i)	Project Installation Start date	November 18, 2020
j)	Project Installation completion date	November 24, 2020

Installation & Commissioning activities completed with signoff for all test protocols for above mentioned system. Observations & pending points (if any) are mentioned in attached punch list.			
For Pall India Pvt. Ltd.		INDIAN IMMUNOLOGICALS LIMITED.	
Ruddhik Soni	 24.11.2020	Jagadheesh kumar Nidu	 24.11.20
		ASV Chalapathi	 24.11.2020
Cc: Prakash Jakune, Madhusudhan Jugdar, Rajesh Kudva, Satish Phate, Sham Karale, Jayaram Sukumar, Panna Aich, Mridul Bathula, Suresh Dhiman, Premnath Mandalapu, Tina Khamu		Cc: Rajendra Lingala, ASV Chalapathi, Jagadheesh Kumar Nidu ,	

**2. QUALIFICATION TESTS PERFORMED AS A PART OF SITE ACCEPTANCE TEST (SAT)**

<b>SAT Protocol Doc # &amp; Rev #</b>	<b>05.000938-CM500_FAT-SAT_Protocol</b>
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**A) INSTALLATION QUALIFICATION (IQ)**

Test #.	Test Description	TEST STATUS
I01	Equipment Identification	PASS
I02	Verification of General Layout Drawing	PASS
I03	Verification of the Piping and Instrumentation Diagram (P&ID)	PASS
I04	Verification of Welding Documentation	NA
I05	Verification of Component List	PASS
I06	Verification of the Wiring Diagram and Electrical components	NA
I07	Verification of Digital Inputs and Outputs	NA
I08	Verification of Analog Inputs and Outputs	NA
I09	Verification of Documentation	PASS
I10	Pressure Hold / Leak Test	PASS
I11	Check of Surface Finish	NA
I12	Sprayball Coverage Test	NA

**B) OPERATIONAL QUALIFICATION (OQ)**

Test #	Test Description	TEST STATUS
O01	Software Inventory and Backup	PASS
O02	Start up and basic operations on the control system	PASS
O03	Verification of power failure reaction and emergency shut-off	PASS
O04	Verification of Pump Performance	PASS
O05	Verification of Alarms	PASS
O06	Verification of User Access Levels	PASS
O07	Verification of Interlocks	PASS
O08	Verification of Controller Function	PASS
O09	Verification of Operations	PASS
O10	Verification of Test Recipe	PASS
O11	Verification of Hold up Volume	PASS

C) OBSERVATIONS/REMARKS

Sr. #	Observations	Remarks
1.	Attachment-1	
2.		

D) Attachments (if Any)

Attachment #	Attachment Description	Attachment verified
1.		
2.		

# Attachment - 1

## OBSERVATIONS DURING IQ AND OQ

1. Shaking of loading vessel observed and informed to PALL Service team. Service Engineer asked us to provide stainless steel bench with 500Kg holding capacity.
2. Feed line to the loading vessel is not there and informed to the PALL Service Team. PALL agreed to provide T clamp connection with feed line.
3. Integrity of the peristaltic pump to the PALL system will be done by the PALL Service team for performing diafiltration process.
4. IQ and OQ has been done for concentration.

PALL INDIA PVT LTD

  
24/11/2020

INDIAN IMMUNOLOGICALS LTD

S. Jagadeh Kumar  
24.11.2020