

Commissioning Report

Date : 17/09/2020

Customer Name : M/s Indian Immunologicals Limited
 Location : Gachibowli, Hyderabad
 DYNO®-MILL : KD 25 Product Pump : FP 600
 Machine Number : 20 06 20 Machine Number : 20 06 21

Check points

Status Remarks

Check points	Status	Remarks
Cables are laid as per cable schedule	<input checked="" type="checkbox"/>	<u>Checked and found OK</u>
Floor level	<input checked="" type="checkbox"/>	<u>Adjusted and levelled</u>
Cooling water circuit order	<input checked="" type="checkbox"/>	<u>Checked → 1200 LPH (60% glycol in water)</u>
All electrical interlocks & Safety	<input checked="" type="checkbox"/>	<u>checked and found OK</u>
Direction of rotation of main motor	<input checked="" type="checkbox"/>	<u>Checked and corrected</u>
Check for any abnormal noise	<input checked="" type="checkbox"/>	<u>No abnormal noise</u>
Flow from return line of chilling water connections	<input checked="" type="checkbox"/>	<u>Checked</u>
Electrical termination are done as per cable schedule	<input checked="" type="checkbox"/>	<u>checked</u>
Enough space provided to carry maintenance work	<input checked="" type="checkbox"/>	<u>Provided</u>

Observations

* Mill was unboxed in presence of WAB engineer
 * Calibration of instruments is in scope of customer
 * Glass beads used ϕ 0.5 to 0.75mm
 * Gap separator → 0.15mm

Work carried out

- * Dyno mill KD 25 was installed as per standard procedure
- 14/09/2020 - Day 1: Control cables were laid by JIL staff and was cross checked as per diagrams
- 15/09/2020 - Day 2: Mill powered up as per procedure after checking cooling water connections and filling ethylene glycol in rinsing tank.
- 16/09/2020 - Day 3: Installation qualification and operational qualification completed as per standard procedure
- 17/09/2020 - Day 4: Training given to user for troubleshooting and basic maintenance. Different levels of administration of mill controls was explained.
- * Beads filled after inspection of all components
Beads filling = 20.25 Litres (Approx 81%) → Glass beads ϕ 0.5 to 0.75mm
- Water trials carried out and checked all parameters.
Outputs of pumps and mass flow meter was checked.
- * Mill commissioned and handed over to user
- * Product trial will be carried out by user department based on availability of product.

Tick if additional sheet attached

*Product trial data sheet to be attached if product trials are carried out.

Tick if Product trial data sheet is attached

Customer Remarks:

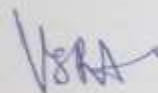
Dyno mill KD 25 Installation and operational qualification completed. Help is required during optimization of flow rate with product. Critical spare list to be provided.

For, M/s Wab India Pvt Ltd.



Sijoy PALLAM
17/09/2020

For, M/s Indian Immunologicals Ltd



VSR Anjaneyulu
17.09.2020

WAB India Pvt. Ltd