


HLL BIOTECH LIMITED, CHENNAI

INTEGRATED VACCINES COMPLEX, CHENGALPATTU

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|-----------------|---------------------------------|--|----------|---------------|--|
| nne pharmaplan® | User Requirement Specifications | | | |  <div>HLLBIOTECH LIMITED a Division of HLL Urban Limited (a Government of India Enterprise)</div> |
| | Equipment/System | Vial Washing Machine with Depyrogenating Tunnel-Annexure 3 | | | |
| | Identification | F2-VWD 01 | Document | URS/F2-VWD 01 | |
| | Effective Date | 28-02-2014 | Revision | 00 | |

Specifications of customized vials:

| 15 ml glass vials (for use with 20 mm stoppers) | | |
|---|-------------------------|-------------------|
| S.No. | Tests | Specifications |
| 1 | Overflow capacity | 15.50 ± 0.50 mL |
| 2 | Mouth internal diameter | 12.60 ± 0.20 mm |
| 3 | Mouth external diameter | 19.60 to 20.10 mm |
| 4 | Body outer diameter | 24.0 ± 0.2 mm |
| 5 | Body wall thickness | 1.00 ± 0.04 mm |
| 6 | Total height | 49.7 ± 0.5 mm |
| 7 | Neck height | 9.0 ± 0.5 mm |
| 8 | Collar height | 3.9 ± 0.2 mm |
| 9 | Total weight | 10.0 ± 1.0 g |