

HLL BIOTECH LIMITED, CHENNAI

INTEGRATED VACCINES COMPLEX, CHENGALPATTU

HLL pharmaplan®	User Requirement Specifications				 HLL BIOTECH LIMITED A Subsidiary of HLL Lifecare Limited A Government of India Enterprise
	Equipment/System	Vial Washing Machine with Depyrogenating Tunnel- Annexure 3			
	Identification	F2-VSM 01	Document	URS/F2-VSM 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