: Packaging material specification:

Item: lotion pump	28/410				
Specification no.	Revision number	Effective date	Reason for revision	Change request number	Page
SL/VITDO/02D/0065	00	16/11/2016	N.A	N.A.	1 of 2

General Data-Pump

Component	Material	Color/Type	Grade
Dip Tube	Polyethylene (LDPE)	Natural	Q281
Housing	Polypropylene (PP)	Natural	K4912
Ball	Glass	Natural	-
Spring	Stainless Steel	-	304
Stem	Polypropylene (PP)	Natural	K4912
Piston Pole	Polyethylene (HDPE)	Natural	5070
Piston	Polyethylene (LDPE)	White	Q281
Collar	Polypropylene	white	K4912
Gasket	Polyethylene (LDPE)		Q281
Actuator	Polypropylene(PP)	White	K4912

Detailed parameters & Tests

PARAMETER	Value	Tolerance	Test Method No.
Visual & General Observation	Acceptable	-	PMT 0001
Presence of all component	Yes	-	PMT 0001
Presence of Dust or Foreign particles	Nil	Nil	PMT 0065
Dosage with water, cc	1.9	+/-0.2	PMT 0048
Strokes to prime	6	Max	PMT 0048
Dip-tube length below gasket, mm	***	+/-2	Not for Incoming QC Follow Supplier's COA
Free dip tube length,mm	97	+/-0.2	PMT0002
Dip tube dimensions mm	OD 5.5 ID4.2	+/-0.2	PMT0001
Dip tube retention force, 1bs	0.8	MIN	Not for Incoming QC Follow Supplier's COA
End of Dip Tube	V-cut	N.A.	PMT 0001
Vacuum leakage test (10inch Hg for 10mins at 45 degree C)	To pass	N.A.	PMT0017A
Pump fitment	As per approved samples	N.A.	Screw on the pump on bottle until no more tightening is possible
ESCR Test	To Pass	N.A.	PMT 0009

Prepared By	Checked By	Approved By

: Packaging material specification:

Item: lotion pump	28/410				
Specification no.	Revision number	Effective date	Reason for revision	Change request number	Page
SL/VITDO/03D/0065	00	16/11/2016	N.A.	N.A.	2 of 2

A) General Remarks – The pump shall not be deformed/damaged on delivery at production units. It shall be free from dust, dirt, foreign matter, dents and scratches.

Insert shall be fixed to actuator properly and actuator shall be fixed with pump properly. There shall be no loose actuator, pump or insert.

B) Packing Instructions -

Pumps need to be packaged in a Polybag and then further packed in 5/7 ply corrugated box. Each box shall be of uniform size and shape. Each box shall be closed using 2inch BOPP tape in H-manner. Each unit should be properly marked with the vendor's name, quantity, Batch/Lot no., Mfg. Date and Invoice number and shall be accompanied with Pre-dispatch Inspection (PDI)/ Certificate of Analysis (COA).

C) Storage Conditions – It is recommended that normal safety precautions to be taken while handling the product. The bottles shall be stored in a cool and dry place protected from dirt, dust & from direct exposure to sunlight.

D) Instructions to Vendor -

- 1. PDI / COA shall be provided by the supplier with every consignment.
- 2. Tests are to be carried out either in-house or from approved laboratories.
- 3. 100% of pump and actuator assembly shall be checked for leakage, pump function and fitment (both pump to actuator and insert with actuator)

Prepared By	Checked By	Approved By