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BHARAT SARKAR
(RAKSHA MANTRALAYA)
GOVERNMENT OF INDIA
(MINISTRY OF DEFENCE)

Price Rs. 130/-

SUPPLEMENTARY SCHEDULE No. CQA (M)/55/134(c)

Issued on Aug-2007

Supersedes Specification No. CQAM/55/134(b)

FOR

CAT No. H-1 (D)/6850-000041, DESICCANT, SILICAGEL

CAT No. H-1 (D)/6850-000042, DESICCANT, SILICAGEL WITH INDICATOR

1. THIS SPECIFICATION IS INTENDED TO GUIDE PURCHASES, INSPECTION AND MANUFACTURE OF STORE AGAINST DEFENCE REQUIREMENTS.

2. IN CASE OF DISCREPANCY BETWEEN THIS SPECIFICATION AND ANY SAMPLE OR PATTERN, THIS SPECIFICATION TOGETHER WITH DRAWINGS, IF ANY SHALL BE TAKEN AS CORRECT.

3. WHEREVER A REFERENCE TO ANY OTHER SPECIFICATION/DRAWING OCCURED IN THIS SPECIFICATION, IT SHALL BE TAKEN AS A REFERENCE TO THE LATEST VERSION OF THAT SPECIFICATION/DRAWING.

1. SCOPE:

This specification prescribed the requirements and methods of test for Desiccant, Silica gel and Desiccant, Silica gel with Indicator to be used as a dehydrating agent.

2. QUALITY

2.1 The material shall conform to the "REQUIREMENTS" as laid down in Clause 3 of the Indian Standard specification No. IS: 3401- latest for Silica gel (Third Revision).

2.2 Particle size as given in the table below:

S No	TEST	LIMIT
1	Residue on sieve with 0.036 cm square mesh % by mass.	NIL
2	Residue on 500 micron IS sieve percent by mass Min	99.5

3. PACKING:

Material:

1	Bag cloth for desiccant	Conforming to plate attached
2	Metal containers for bag cloth	Conforming to Appendix
3	Polythene bags	Conforming to IS: 2508
4	Corrugated fibre board box (Triple-walled)	Conforming to IS: 2771 (Pt. 1) having bursting strength 16 Kg/cm ²
5	Pressure sensitive adhesive tape with plastic base 75 mm wide	Conforming to IS: 13262
6	Polypropylene strappings 12 mm wide	Conforming to ISS: 8135-10

4. MODE:

COA 90-91/234-cd

The desiccant shall be supplied in clean and dry bag cloth of size as ordered. Each bag shall hold the same net quantity of the desiccant (as ordered) according to the size of the bag. The filled and sealed bags shall be packed in Polythene bag subsequently kept in Metal container. The mouth of Polythene bag shall be tied with suitable materials to render airtight. Finally the bag shall be filled in container as per details given below:

Capacity of the bag cloth	Size of the container Polythene bag	No. of bags per container	No. of containers per box
25 g	Container 5 Litre	50	4
50 g	Container 5 Litre	25	4
100 g	Container 20 Litre	50	4
250 g	Container 20 Litre	25	4
500 g	Container 20 Litre	10	4
4.5 kg	Container of suitable capacity	02	02

The lids of the containers (after being filled with the required number of cloth bags) shall be placed in position and sealed air tight by means of the cover plate, which shall be soldered all round to the top plate.

The metallic containers shall be kept in Card Board Box (triple walled) the flaps of corrugated box shall be firmly secured by pressure sensitive adhesive tape with plastic base 75 mm wide. The box shall be strapped with 12 mm wide polypropylene strapping on two sides perpendicular to each other and shall be clinched properly.

5. MARKING:

a) Bags, Cloth and Metal Containers:

Each bag and metal containers shall be legibly and indelibly marked as under:

- i) Nomenclature and catalogue number of the store.
- ii) Quantity packed.
- iii) Manufacturer's name, initials or recognized trade mark.
- iv) Date of manufacture of the desiccant and batch number.

b) Box corrugated fibre board tripple walled:

Each box shall be legibly and indelibly marked as under:

- i) Nomenclature and catalogue number of the store.
- ii) Quantity packed (as ordered)
- iii) Date of manufacture
- iv) Gross weight of the package in kg.
- v) Manufacturer's/Supplier's name, initials or recognized trade mark.
- vi) Serial number of the crate together with the total number of crated in the same delivery.
- vii) Contract number and date.
- viii) Name and address of the consignee.
- ix) Inspection Note No. and date.

The quality of the packing Materials use, for packing the store, shall be got inspected & approved by the Inspecting Officer under the contract before use.


6. DELIVERY ; DESPATCH

The responsibility for delivering the order quantity of the store in an intact condition at the consignee premises shall be that of the firm.

7. SAMPLING PLAN ; CRITERIA OF CONFORMITY

Sampling plan ; criteria of conformity shall be in accordance with IND/SL/8900(a) for sampling plan and procedures for inspection of material stores.

KANPUR
DATED: Aug. 2007


(Gorey Lal)
ISO
FOR CONTROLLER
CONTROLLERATE OF QUALITY ASSURANCE (MATERIALS)

APPENDIX

QUALITATIVE REQUIREMENTS FOR METAL CONTAINERS FOR BAG CLOTH

1. Material & pattern: PCRCA black sheet or not less than 0.3 mm in thickness.
2. Size: The overall dimensions of the containers shall be such that it shall contain the required number of bags of 25g, 50g, 100g, 250g, 500g ; 4.5 kg of the material (as ordered).
3. Pattern: The containers shall be rectangular in shape ; fitted with airtight lever lid closure (having a diameter ranging from 12 to 15 cm) at the centre of the top plate. The closure shall be provided with a cover plate, soldered all round to the top plate. The top ; bottom plates shall be double seamed to the body using a suitable seaming solution. The side seam shall be folded and grooved ; well sweated through with solder.

All joints ; seams shall be neatly ; fully formed, closely pressed ; looked ; the body seam soundly soldered to make the container fully air tight.

4. Preservative Coating: The containers shall be uniformly ; adequately coated on the outside with a coating of any suitable paint ; the inside suitably lacquered.

BAGS, CLOTH FOR DESICCANT

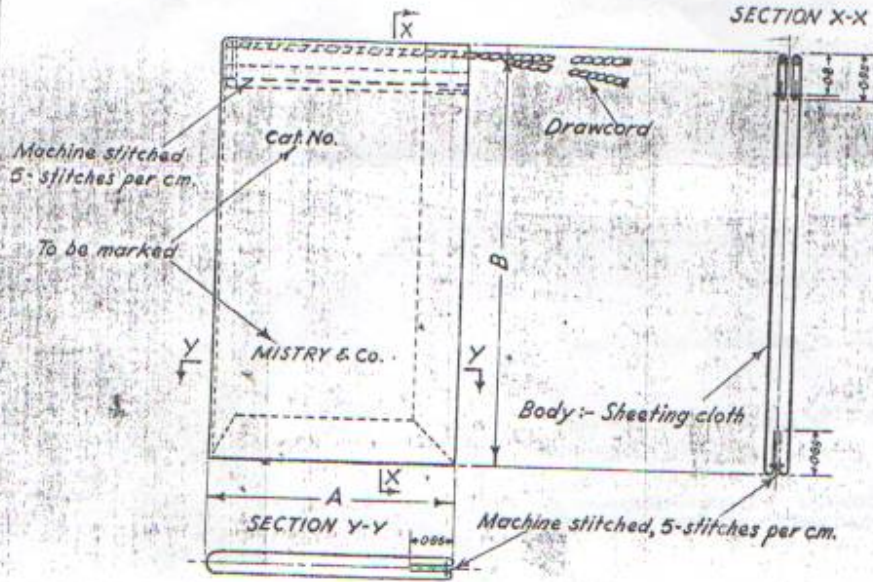


TABLE OF DIMENSIONS

Size of bag	A	B
25g.	5.7	8.9
50g.	7.6	10.2
100g.	8.9	14.0
250g.	10.2	20.3
500g.	11.4	24.2
4.5 Kg.	38.1	76.2

Materials:-

Body:- Sheeting, Cotton, Scoured, 91 cm. wide.
 Stitching thread:- Sewing Cotton, 98 Tex/6, white.
 Drawcord:- Line, Cotton, 3 mm, undyed.

conforming to
 separate specifications
 in IVD/TC series.

Dimensions in cm.	Drawn by:- THAN	Retraced by:- [Signature]	Checked by:- L. N. GUPTA	Passed by:-	Approved by:- [Signature]
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