

ASC SPECIFICATION NO. 307 (a)

Sodium Dichloroisocyanurate

1. **Description.** The Sterilizing Sodium Dichloroisocyanurate tablet shall have weight varying from 50 mg to 80 mg and it must be uncoated, white/off white coloured and consists of the following ingredients:

a. **Active Ingredient.** Each tablet contains 8.5 mg ($\pm 10\%$) sodium dichloroisocyanurate (troclosene sodium) in an dissolving base.

b. **Excipient:** Quality Standard (Q.S) to manufacture a tablet having average weight 50 mg to 80 mg (± 3 mg).

2. **Examination.** The outfit each water sterilizing tablet shall comply the clause no 1 with the following requirements:

a. **Acceptable Weight variation.** Not more than 2 tablets outside $\pm 10\%$ of the actual average. No tablet outside $\pm 20\%$ of the actual average.

b. **Uniformity of content of the active ingredients.** Purity when assayed for the chlorine content, the method given in appendix 1 (attached) to this specification shall contain sodium dichloroisocyanurate (troclosene sodium), calculated to the following limit:

(1) **Available chlorine:** 5.2 mg (4.9 mg to 5.5 mg)

(2) **Dye/Colouring agent:** When tablet is dissolved in a litre of water, it shall not produce any appreciable colour.

(3) **Diameter:** 4.75mm ($\pm 3\%$)

(4) **Hardness:** Min 1.5 kg/cm²

(5) **Assay:** Each tablet contains 8.5 mg ($\pm 10\%$) sodium dichloroisocyanurate (troclosene sodium) in an effervescent base.

c. **Shape.** Oval, bi-convex, flat-round plain surface tablet or any other suitable shape.

d. **Disintegration Time.** Not more than 180 Seconds.

e. **Leak test.** Must be 100% leak proof.

3. **Packing.**

a. **Strips.** Tablet shall be supplied in strips Alu-Alu blister strip, PVC blister strip, aluminum foil strips or poly lined paper strip and shall be presented 10 tablets per strips.

b. **Cases:** The Strips shall be packed in thick paper carton containing 500 or 1000 no tablets in each carton. The cases shall be sufficiently strong to withstand rough handling by rail/road transport without damage to their contents. The cases carton master carton upto 50,000 Tablets.

4. **Marking.**

a. **Strips.** The following particulars shall be marked on the respective strips:

- (1) Name of the content of tablet.
- (2) Weight of active ingredient per tablet.
- (3) Lot/Batch no.
- (4) Expiry date.
- (5) Country of origin.
- (6) Certification of Analysis of each batch supplied (from manufacture)

b. **Cases.** The following particulars shall be stenciled on one side of the cases:

- (1) Outfit individual water purification tablets.
- (2) Quantity: 500/1000 tablets per carton.
- (3) Name of Manufacture.
- (4) Manufacture date.
- (5) Gross weight of carton.
- (6) Instruction for user.

5. **Inspection.** Inspection of supplies tendered for acceptance shall be carried out by an officer acting on behalf of the Director of Supplies and Transport (DST). The inspecting officer shall draw representative sample from this consignment and submit them to AFFDL, Dhaka Cantonment For analysis and report.

6. The analytical report of AFFDL shall be forwarded to DST whose decision regarding the consignment shall be final and the delivery shall be same/as per the sample approved by AFFDL in all respect.

Appendix 1:

Ingredients	Weight in product (% w/w)
Troclosene Sodium / 1,3,5-Triazine- 2,4,6 (1H, 3H, 5H)-trione, 1,3-dichloro-, sodium salt	10-65%
Adipic Acid	10-40%
Sodium carbonate	4-15%


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