

**BENGAL CHEMICALS & PHARMACEUTICALS LIMITED**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

**B.T ROAD, P.O PANIHATI, KOLKATA 700 114**

**Phone No: 033 2553 4541/1924/1234; Fax: 033 255302017**

**Website: [www.bengalchemicals.gov.in](http://www.bengalchemicals.gov.in)**

**Tender Notice No. AT/01/PUR/2015-16**

**Date:12.05.2015**

Specifications List:

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BENGAL CHEMICALS & PHARMACEUTICALS LTD.  
(A Government of India Enterprise)  
B T Road, PO Panihati  
Kolkata 700 114

SPECIFICATION FOR 20 LTR HDPE CONTAINER

Description	: As per sample	
Brimful capacity	: 21.5 Ltrs.	
Weight without cap	: 1200 gm ± 20 gm	
Weight of Rim	: 5 gm ± 0.5 gm	
Weight of <del>Inner plug</del> Cap	: 30 gm ± 2 gm	
" " Inner plug	: 10.5 gm ± 0.5 gm	
Colour of body	: <del>GREEN</del> BLUE	Colour of Rim - yellow
Colour of outer cap	: RED	Colour of Inner plug - white
Material	: E 5201S (Haldia Petrochem) Virgin	
Wall thickness	: 1.5 mm Min.	
Leak proofness	: Should satisfy	
LABELLING	: The container shall be embossed with the following information -	
(a)	: Manufacturer's name, trade mark or initial	
(b)	: Year of manufacture	

SAMPLE for approval: 2 containers to be provided.

Prepared by

Checked by

Approved by

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BENGAL CHEMICALS & PHARMACEUTICALS LTD.  
(A Government of India Enterprise)  
B T Road, PO Panihati, Kolkata 700 114

DESCRIPTION

HDPE CONTAINER WITH INNER AND OUTER

CAPACITY 510 GM FOR BLEACHING POWDER

Characteristic	Requirement
Colour	White
Mass of the Container, <i>Min</i>	45 gm
Mass of Lid with inner, <i>Min</i>	18 gm (Outer wt. = 10gm, Inner wt. = 8 gm)
Printing matters	To be provided by BCPL, Panihati Factory.

N.B. Container should be supplied as per our sample.  
Should have manufacturer Seal/Identify at the bottom.

Dimension: Height 130 mm to 132 mm  
Outer diameter 96 mm to 97 mm

*A*  
Prepared by

*B*  
Checked by

*C*  
Approved by

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# Bengal Chemicals & Pharmaceuticals Ltd.

(A Government of India Enterprise)

## BCPL STANDARD SPECIFICATIONS FOR 5-LTR CAPACITY JERRYCAN

1 <u>Scope</u>	This standard is meant for 5-Ltr. Capacity Jerry can made of virgin high density polyethylene (HDPE) required for packing Phencol, White Tiger, Liquid Soap and Lysol.
2 <u>Requirement</u>	
2.1 <u>Material of construction</u>	Virgin Chemical Resistant High Density Polyethylene Blow moulding grade Material Grade → <b>E 5201 (S)</b> (Haldia Petrochem)
2.2 <u>Colour</u>	Phencol - Yellow (to be mentioned by purchaser) Lysol, White Tiger & Liquid Soap - White
2.3 <u>Mass</u>	345 gm ± 5 gm
2.4 <u>Cap</u>	Virgin HDPE (Inj) pilfer-proof cap Weight 7 gm ± 0.5 gm
2.5 <u>Insert</u>	Insert weight 2.5 gm (minimum) of virgin LDPE (Inj) <b>LLDPE</b>
2.6 <u>Wall thickness</u>	Uniform wall thickness
2.7 <u>Capacity</u>	Normal Capacity : 5 Ltrs. Brimful capacity : 5.50 Ltrs <b>OR</b> As agreed to between the purchaser and the supplier on the basis of drawings sent for approval.
2.8 <u>Closures</u>	The closures shall be pilfer-proof screw type with insert/wad from materials inert to the product being packed and adequate to prevent leakage by drop test (from 2.3 mtrs.). The design and colour of the closures shall be as agreed to between the purchaser and the supplier.
2.9 <u>Compatibility</u>	The Jerry cans (including the colour or printing matter) and the closure Assembly shall be compatible with the product being packed.
2.10 <u>Marking</u>	The Jerry can shall embossed with the following information: Manufacturer's Name or Trade Mark or initial.
2.11 <u>Approval of sample/Drawings before actual supply:-</u>	a) Drawing : 4 copies of drawing with details AND b) Sample : 5 pcs. of Jerry can.
2.12 <u>wad</u> at	To be suitable for heat sealing purpose. <i>[Signature]</i>
Inspected by	Checked by
	Approved by

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Copy for Laboratory.

BENGAL CHEMICALS & PHARMACEUTICALS LTD.  
(A Government of India Enterprise)  
B T Road, PO Panihati, 24 Parganas (North)

SPECIFICATION FOR 200 ML TINCTURE  
AMBER ROUND GLASS BOTTLE 25 MM NECK (AUTOMATIC)

MATERIAL OF CONSTRUCTION : The Material shall conform to IS: 1108-1975.

SPECIFIC REQUIREMENT : Bottle shall be round Amber Colour Glass, have a smooth surface without cracks. The bottle shall be well formed with as uniform distribution of glass all over the wall and base.

CONSTRUCTION & FINISH : The bottle shall be regular in shape and smoothly finished and when placed on a horizontal plane, shall rest evenly.

LIMIT OF ALKALINITY : Type 4 of IS : 2303-1963

LEAK PROOFNESS THERMAL SHOCK TEST : As per IS : 1108-1975

DIMENSIONS

i) OD	58 mm
ii) HEIGHT	140 mm
iii) WEIGHT	135 gm $\pm$ 2gm
iv) BRIMFUL CAP.	225 ml
v) R.S. PILFER PROOF	25 mm (as per (IS : 7511-1974)

APPROVAL OF SAMPLE/DRAWINGS BEFORE ACTUAL SUPPLY : The Tenderer shall have to submit the following:

Drawing: 4 copies of Drawing with the details regarding the dimensions, capacity, weight of the Glass bottle and their tolerance etc. AND 10 Nos. of bottles.

*Ratan*

**SPECIFICATION FOR SEMI-AUTOMATIC & AUTOMATIC GLASS BOTTLE  
FOR PHENEOL (AMBER ROUND TINCTURE BOTTLE)**

Semi-Automatic	Automatic
<p><b>Material of construction</b> The material shall conform to IS:1108-1975</p> <p>Specification required: The bottle shall be round Amber coloured glass have a smooth surface without cracks, pin holes or sharp edges, free from cords, blisters and stores, as far as possible free from loading mark. The bottle shall be well formed with a uniform distribution of glass all over the wall and base, avoiding any wedge bottle shall be well annealed.</p> <p>Construction and Finish: The bottle shall be regular in shape and smooth finished and when placed on a horizontal plane shall rest evenly</p> <p>Limit of Alkalinity-Type 4 of IS 2303:1963</p> <p>Leak proofness- Thermal Shock Test:- As per IS 1108-1975</p> <p>Dimension : OD 74 mm Height : 175 mm Weight : 275 gm-282 gm Brimful capacity: 485 ml-490 ml RSPP as per IS 25 mm 7511:1974</p> <p>Other dimensions as agreed to the purchaser and the supplier on the basis of approved drawings. The tolerance given in IS 1108-1975 will serve as guidance only.</p> <p>Marking: Each bottle shall be permanently and Legibly marked on it's bottom with the manufacturer's name or registered Trade mark or initial and mould No.</p> <p>Packing: In shrink package/C.B.</p> <p><b>Approval of sample/drawings before actual supply</b> The tenderer shall have to submit the following: Drawing- 4 copies of drawing with details with details regarding dimensions, capacity, weight of the glass bottle and their tolerance etc. AND 50 numbers of bottles</p>	<p><b>Material of construction</b> The material shall conform to IS 1108-1975</p> <p>Specification required: The bottle shall be round, Amber coloured glass have a smooth surface without cracks, pin holes or sharp edges, free from cords blisters and stores, as far as possible free from loading mark. The bottle shall be well formed with a uniform distribution of glass all over the wall and base, avoiding any wedge bottle shall be well annealed.</p> <p>Construction and Finish: The bottle shall be regular in shape and smooth finished and when placed on a horizontal plane shall rest evenly</p> <p>Limit of Alkalinity-Type 4 of IS 2303:1963</p> <p>Leak proofness- Thermal Shock Test:- As per IS 1108-1975</p> <p>Dimension : OD 74 mm Height : 175 mm Weight : 252 gm-260 gm Brimful capacity : 485 ml-490 ml RSPP as per IS 25 mm 7511:1974</p> <p>Other dimensions as agreed to the purchaser and the supplier on the basis of approved drawings. The tolerance given in IS 1108-1975 will serve as guidance only.</p> <p>Marking: Each bottle shall be permanently and Legibly marked on it's bottom with the manufacturer's name or registered Trade mark or initial and mould No.</p> <p>Packing: In shrink package/C.B.</p> <p><b>Approval of sample/drawings before actual supply</b> The tenderer shall have to submit the following: Drawing- 4 copies of drawing with details regarding dimensions, capacity, weight of the glass bottle and their tolerance etc. AND 50 numbers of bottles.</p>

A  
Prepared by

Checked by

Approved by

**BENGAL CHEMICALS & PHARMACEUTICALS LTD.**  
(A Govt. of India Enterprise)

BCPL SPECIFICATION / I.S 10896 :1984  
ALUMINIUM HYDROXIDE , TECHNICAL

Sl No.	Characteristic	Requirement
1.	Assay(as Al <sub>2</sub> O <sub>3</sub> )% by mass, Min	65.0%
2.	Silica (as SiO <sub>2</sub> )% by mass, Max	0.12%
3.	Iron (as Fe <sub>2</sub> O <sub>3</sub> )%by mass,Max	0.03%
4.	Sodium(as Na <sub>2</sub> O)% percent by mass	0.3-0.5%
5.	Loss on ignition, percent by mass	34.5-35.0%
6.	Arsenic (as As <sub>2</sub> O <sub>3</sub> ), parts per million, Max	1.0%
7.	Heavy Metals (as Pb), parts per million, Max	5.0%
8.	pH of 4.0% suspension, Max	10.0%
9.	Free Moisture, % by mass Max	8.0%

**Packing & Marking**

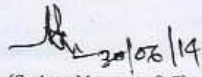
The material shall be packed in air tight polythene - lined HDPE Bag of 50 kg Net.

1. Name of the material.
2. Net Mass Content.
3. Name of Manufacturer and his recognized trademark, if any.
4. Date of Manufacture & Batch No.

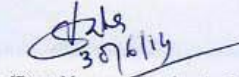
**SAMPLING**

Quantity of 5 kg of material to be offered along with Test Report.

Prepared by

  
(Sr.Asst.Manager Q.C)

Checked by

  
(Dept.Manager Production)

Approved by

  
(Asst.General Manager Works)

## Bengal Chemicals & Pharmaceuticals Limited

(A Govt. of India Enterprise)

B.T. Road, P.O. – Panihati, Kolkata – 700114, North 24 – Parganas, West Bengal.

### Specification for 1Kg Bleaching Powder Container

- 1) Shape & Design: As per BCPL design
- 2) Colour of:
- a) Body: White
  - b) Outer lid: White
  - c) Inner lid: Black
- 3) Weight of:
- a) Body: 55.00 gm +/- 1.00 gm
  - b) Outer lid: 11.00 gm +/- 0.5 gm
  - c) Inner lid: 9.00 gm +/- 0.5
- 4) Dimension:
- a) Height: 185 mm to 188 mm
  - b) Outer Diameter: 99 mm to 100 mm
- 5) Actual fitting with
- Outer & inner lid: Should satisfy

Should have Mfr's Logo/Identity at the bottom.

N.B: Container should be supplied as per our existing sample.

A. Chattopadhyay  
22/4/15  
Prepared By

AQCO

Checked By

DPM

Approved By

22/04/15  
AGM (Works)



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Bengal Chemicals & Pharmaceuticals Ltd.  
(A Government of India Enterprise)  
B T Road, PO Panihati, Kolkata 700 114

Specification for Caustic Soda Flakes

Requirement: The material shall conform to Technical Grade, Caustic Soda of  
IS : 252-1991

Sl.No	Characteristic	Requirement
1	Description	White coloured flakes or pellets free from foreign matter, dirt and other visible impurities.
2	Content of Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	Not more than 2% w/w
3	Content of Iron	Not more than 350 ppm
4	Content of Sodium Hydroxide	Not less than 95% w/w
5	Chloride + Sulphates (Together)	Not more than 3.5%

Prepared by

Checked by

Approved by

(19)

Item- 5 Ply CB Box for 450 ml Phenol Bottle

5 ply printed C.B. Box for 20 unit x 450 ml Phenol

Size

(inner assortment) Length 400 mm Breadth 315 mm Height 200 mm  
GSM : 120 Bursting strength: 5.0 kg/Cm<sup>2</sup> (min)

3 ply Plate & partition

elongation - 25 mm. // Neutral zone.

1 Partition with honey comb type for 20 unit

GSM : ~~100~~ 80 Bursting strength : 4.0 kg/Cm<sup>2</sup> (min)

2 Plate

GSM : ~~100~~ 80 Bursting strength : 4.0 (min)

Cutting inner Measurement: 75 mm sqr.

A  
Prepared by

B  
Checked by

C  
Approved by

C.B. Boxes

(4)

1. 5 ply printed C.B. Box for 15 unit x 500 gm HDPE container of Bleaching

Inner measurement

Length → 485 mm	} ± 3 mm	<u>GSM</u>	<u>Bursting Strength</u>
Breadth → 290 mm		100 (min)	min 8.1 kg/cm <sup>2</sup>
Height → 137 mm			

Actual fitting → should satisfy  
Printing → Quality and text should satisfy

2. 5 ply C.B. Box for naphthalene

Inner measurement

Length → 416 mm	} ± 3 mm	<u>GSM</u>	<u>Bursting strength</u>
Breadth → 263 mm		100 (min)	8.1 kg/cm <sup>2</sup>
Height → 216 mm			(min)

Actual fitting → should satisfy

3. 5 ply C.B. Box for 500 ul pet bottle  
Packing → 20 x 500 ul

Inner measurement

Length → 350 mm	} ± 3 mm	<u>GSM</u>	<u>Bursting strength</u>
Breadth → 285 mm		100 (min)	min 8.1 kg/cm <sup>2</sup>
Height → 205 mm			

3 ply plate & Partition

1) Partition with honey comb type for 20 unit

GSM  
100 80 min

Bursting Strength  
min 4 kg/cm<sup>2</sup>

2) plate

100 80 min

min 4 kg/cm<sup>2</sup>

Printing → Quality and text should satisfy  
Actual fitting → should satisfy

4. 5 ply CB Box for 200 ml phenol bottle

Packing  $\rightarrow$  25  $\times$  200 ml

Inner measurement  
Length  $\rightarrow$  310 mm  
Breadth  $\rightarrow$  310 mm  
Height  $\rightarrow$  150 mm }  $\pm 3$  mm

	GSM	Bursting strength
	1100 (min)	8.1 kg/cm <sup>2</sup> (min)

3 ply plate & partition

i) Partition with honey Comb type for 25 unit

	GSM	Bursting strength
	1000 80 min	min 4 kg/cm <sup>2</sup>

ii) Plate

	GSM	Bursting strength
	1000 80 min	min 4 kg/cm <sup>2</sup>

Printing  $\rightarrow$  Quality and test should satisfy  
Actual fittings - should satisfy

5. 5 ply printed C.B Box for 4 unit  $\times$  5 ltr. jerry can

Inner measurement

	GSM	Bursting strength
Length $\rightarrow$ 465 mm Breadth $\rightarrow$ 240 mm Height $\rightarrow$ 305 mm } $\pm 3$ mm	150 (min)	(min) 10.5 kg/cm <sup>2</sup>

Printing  $\rightarrow$  Quality and test should satisfy  
Actual fittings  $\rightarrow$  should satisfy

AM (QC)

Bengal Chemicals & Pharmaceuticals Ltd  
(A Government of India Enterprise)  
Panihati Factory

Specification for Concentrated Deodorant and Cleanser

Sl No.	Characteristic	Requirement
1	Description	Dark yellow to light brown clear liquid with characteristic aromatic odour
2	Specific gravity at 30°C	(0.89 to 0.91)
3	Preparation of "WHITE TIGER" with concentrated Deodorant & Cleanser (Water : D & C) ( 9 : 1 )	1 To be prepared easily 2 Specific gravity of prepared White Tiger should be in Between 0.98 to 0.99 at 30 degree cent. 3 On dilution product should be Like our existing current sample
4	pH of finished product	(7.8 to 8.8)
5	Major ingredient i Pine Oil ii Surfactant & Emulsifier	Grade - 40% Quantity sufficient
6	Active ingredient Citronella & Citro Dora Oil, Eucalyptus Oil etc.	Not less than 4%
7	Nature & stability of 10% Emulsion with DM Water (pH 6.5) at 30 degree centigrade	Good, Milky white & Best before 18 months from the date of manufacturing of White Deodorant.
8	Stability of Concentrated Deodorant	Remains best before 6 months from the Date of manufacturing.

Prepared by

Checked by

Approved by

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**BCPL STANDARD SPECIFICATION FOR ROSIN (GUM ROSIN)**

SCOPE: The material is meant for ROSIN (GUM ROSIN) required by BCPL  
REQUIREMENT: The material shall conform to IS:553-1984 (M/N-Grade). The major requirements are given below:-

Sl.No.	Characteristic	Requirement
1	Description: The material shall be in the form of transparent to slightly transparent brittle lumps with a glassy fracture and shall be free from visible foreign matter.	
2	Colour: Equivalent to Gardner colour value (3.2) or matching colour of corresponding permanent Lovibond US Rosin colour standards.	
3	Acid Value, Minimum	155
4	Volatile matter, % by mass max.	2.0
5	Ash content, % by mass max.	0.20
6	Saponification value, Min	160
7	Matter insoluble in toluene % by mass max.	0.40
8	Unsaponifiable matter % by Mass max.	6.0
9	Solubility- Soluble in alcohol, ether, petroleum hydrocarbon solvent and oil of turpentine	

3 LABELLING / MARKING: Each package shall bear the following marking.

- a Name of the material with specification.
- b Manufacturer/Supplier's Name and address
- c Quantity: Gross and Net
- d Manufacturing Date/Packed

4 PACKING: In manufacturer's original packing in sound condition. Nature of packing and quantity in a container are to be mentioned by the tenderer.

5 SAMPLE FOR APPROVAL: A quantity of 2 kg of the material offered is to be sent while offering.

A  
Prepared by

B  
Checked by

Approved by



Bengal Chemicals & Pharmaceuticals Ltd. Panipati

বঙ্গাল কেমিকালস এন্ড ফার্মাসিউটিকালস লিমিটেড

বেঙ্গল কেমিক্যালস অ্যান্ড ফার্মাসিউটিক্যালস লিঃ

①

MEMO

## Specification for Label

- i) Royal ~~chromo~~ chromo Art paper to be used.
- ii) GSM for phenol label paper should be 70 to 75.
- iii) GSM for white Tiger label paper should be min 75.
- iv) For other sticker Label GSM should be min 90.
- v) Label cutting should be done by fully computerised Automatic paper Guillotine machine.
- vi) Printing matter colour and design as per our sample approved sample.
- vii) Good quality printing ink to be used.

\*  
AM (CC)

बंगाल केमिकल्स एण्ड  
फार्मास्युटिकल्स लि०  
(भारत सरकार का एक उपक्रम)



*Kur Chox*  
**BENGAL CHEMICALS &  
PHARMACEUTICALS LTD.**  
(A GOVT. OF INDIA ENTERPRISE)

बी.टी. रोड, पानिहाटी, कोलकाता-700114, 24 परगणा (उ.)  
फोन : 2553-1234/1924/4541 फाक्स : 2553-2017  
ई मेल : bcplpfy@cal3.vsnl.net.in

बी.सी.पी.एल

B. T. Road. P.O. Panihati, Kolkata -700114, 24 Pgs (N)  
Phone : 2553-1234 /1924 / 4541 Fax : 2553-2017  
e-mail : bcplpfy@cal3.vsnl.net.in

**BENGAL CHEMICALS & PHARMACEUTICALS Ltd**

**(A Govt. Of India Enterprise)**

**Specification of Light Creosote Oil (LCO)**

1) Clear, Sediment free brownish black liquid.

2) Odour: characteristics odour of coal tar oil.

1) Sp.gravity (at 25 degree centigrade): 0.98 to 1.02

2) Moisture content: less than 0.5%.

3) Napthalene: less than 3% w/w.

4) Tar acid content: 12 to 15% w/w.

5) Tarry matter: less than 0.5%w/w.

6) Distillation range: 95%

Distills between 200 deg. Centigrade to 290 deg. Centigrade.

7) Emulsification characteristic: stable between 5 deg. Centigrade to 50deg.centigrade.

*WMP*  
WMP

*DMP*  
DMP

*A.O. (bc)*  
A.O. (bc)





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**BENGAL CHEMICALS & PHARMACEUTICALS LTD.**  
(A Government of India Enterprise)

BCPL STANDARD SPECIFICATION FOR MCP.

Sl.No.	Characteristic	Requirement
1	Composition ( Mixture of Ortho, Para & Meta- Monochloro Phenol).	The Tenderer shall mention the Typical Composition of the major constituents of the material offered.
2	Colour	Amber to Reddish.
3	Specific Gravity at 27°C.	1.27 - 1.28.
4	Free HCl. % by volume, Max.	0.5.
5	Water content percentage, Max.	0.05.
7	Distillation Range	Up to 185°C - 5% v/v max. 185 to 200°C - 15% v/v max. 200 to 225°C - 70% v/v min.

LABELLING /PACKING

Each container shall have the following markings.

- Name of the material with specification.
- Manufacturer's and supplier's Name of address.
- Quantity Gross & Net.
- Batch No./Lot No.
- Manufacturing date/PKD.
- Sealing of Container - LID will be placed in one Side of the container (Properly sealed).

PACKING

In manufacturer's original bulk packing in sound condition. Nature of packing and quantity packed in a leak proof container. Package details are to be mentioned by the tenderer.

USUAL PACKING

205 kg capacity MS Drum whose weight Min. 22.5 kg.

SAMPLE FOR APPROVAL

- Sealed Bottle of 450/500 ML. of material offered are to be sent while offering along with the supplier's Analysis Report of the Material.

19/6/67

**Bengal Chemicals & Pharmaceuticals Limited**

(A Government of India Enterprise)

B.T. Road, P.O. – Panihati, Kolkata – 700114, (North24- Parganas)

**Specification of PET bottle with Cap & plug for White Tiger (500ml)**

1. Shape & Design : As per existing bottle
2. Colour : a) Bottle : Colourless, Transparent  
b) Inner Plug: White  
c) Outer Cap: Green (BCPL Standard)
  
3. Weight of: a) Bottle: 26gm +/- 1gm  
b) Inner Plug: 1 gm +/- 0.1 gm  
c) Outer cap: 2.5 gm +/- 0.1gm
  
4. Brimful capacity: 510 ml
  
5. Dimension of bottle: a) Height -: 182 mm to 184 mm  
b) Outer diameter of body:- 68.5 mm +/- 0.03 mm

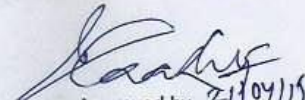
Actual fittings with inner plug & outer cap should satisfy.

Should have manufacturer's seal/identity at the bottom.

N.B:- Bottle will be used in fully automatic bottling line.

Achatterjee  
21/4/15  
Prepared by  
(ASCO)

  
21/4/15  
Checked by  
(DPM)

  
Approved by 21/04/15  
AGM (Works)

SPECIFICATION OF ROPP CAP 25 MM

Characteristic	Requirement
Description	Should satisfy
Outer diameter	25.5 - 26.1 mm
Inner diameter <i>Weight.</i>	16.1 - 16.9 mm
Wad Thickness	1.5 - 1.7 mm
Average weight of cap	1.0 ± 0.1 gm
Average weight of wad	0.2 gm approx.
Material of construction	Approved by the purchaser but the cap, Inner wad, colour of cap shall be compatible with the product (Phenol) being packed

N.B. : Sealing should be pilfer proof screw type with wad and to be tested at Shop Floor.

A  
Prepared by

B  
Checked by

C  
Approved by

Bengal Chemicals & Pharmaceuticals Ltd.  
B T Road, PO Panihati Fctory  
Kolkata 700 114

## SPECIFICATIONS OF TRICLOSAN

Name of the Material : TRICLOSAN  
IUPAC NAME : 5-chloro-2-(2,4-dichlorophenoxy)phenol  
CAS : 3380-34-5  
Molecular weight : 289.54  
Reference : In-House

Sl. No	Parameters	Specification
1	Description	Fine, white to off-white crystalline powder
2	Solubility	Practically insoluble in water, soluble in methanol, in Ethyl alcohol and in acetone; slightly soluble in hexane. Soluble in 1M Sodium Hydroxide.
3	Melting point	55-58 degree centigrade
4	Assay	97-103%

A  
Prepared by

B  
Checked by

Approved by