

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/ GLP-159  
Rev No: 09 Date- 05/2024-25

**Abdos Labtech Pvt. Ltd.**  
**Measuring Cylinder – TPX Class A**

**Valid for Catalog No. P50501, P50502, P50503, P50504, P50505, P50506, P50507, P50508**

**SRN (Single Registration Number): IN-MF-000022272**

## 1. Description/Specification

### 1.1 Description: TPX Measuring Cylinder

- 1.1.1 These transparent graduated cylinders have excellent value.
- 1.1.2 Moulded-in large, neat and easy to read graduations.
- 1.1.3 Hexagonal shape gives stability to the base.
- 1.1.4 Cylinders have generous pour spout for smooth flow of liquid during pouring.
- 1.1.5 Supplied with conformity test certificate that indicates batch number and year of production that is also marked on the cylinder.

### 1.2 Design:

- 1.2.1 Body : Cylindrical with generous pour spout for smooth of liquid while dispensing
- 1.2.2 Base : Hexagonal Base for firm stability

### 1.3. Performance Specifications:

Code	Capacity (ml)	Sub Division (ml)	Error limit (+ ml)	Height (mm)	No./Case
P50501	10	0.2	0.1	138	1
P50502	25	0.5	0.25	170	1
P50503	50	1	0.5	198	1
P50504	100	1	0.5	257	1
P50505	250	2	1	314	1

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<b>P50506</b>	500	5	2.5	344	1
<b>P50507</b>	1000	10	5	412	1
<b>P50508</b>	2000	20	10	482	1

### For Sterile

Code	Capacity (ml)	Sub Division(ml)	Error limit (+ ml)	Height (mm)	No./Case
<b>P50501S</b>	10	0.2	0.1	138	1
<b>P50502S</b>	25	0.5	0.25	170	1
<b>P50503S</b>	50	1	0.5	198	1
<b>P50504S</b>	100	1	0.5	257	1
<b>P50505S</b>	250	2	1	314	1
<b>P50506S</b>	500	5	2.5	344	1
<b>P50507S</b>	1000	10	5	412	1
<b>P50508S</b>	2000	20	10	482	1

### 1.4 Material:

1.4.1 TPX- Polymethylpentene (PMP), confirm US FDA 21CFR

1.4.2 The product complies with USP class VI. Free from Heavy metals, it is safe to use in contact with food stuff, Pharmaceuticals & drinking water.

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1.4.3 Product is manufactured without the use of Raw Materials of animal origin. Therefore BSE/TSE issue does not concern this product to the best of our knowledge. No materials containing latex or natural rubber are used in the Manufacturing, handling & packaging process for this product.

**1.5 Color:** Translucent (Natural)

**1.6 Graduations:** Molded in Large and easy to read graduation. Meet accuracy requirements of class A under “ISO6706” BS 5404 Part 2”.

**1.7 Sterilization:** Sterile catalog number from this lot have been pre-sterilized and dosimetrically released based on ANSI/AAMI/ISO 11137 *Sterilization of healthcare products-Requirements for validation and routine control- Radiation sterilization*. The product has been sterilized with Co-60 Gamma Radiation, SAL  $10^{-6}$

**1.8 Quality Control:** Products are manufactured, inspected and found to be in compliance with product & quality specification requirements as documented in ISO 9001:2015 & 13485:2016 Quality Management System. Testing of various characteristics in accordance with the valid specification, inspection reviewed & signed for product release amendments.

**1.9 Other Information:** Reusable can be autoclaved up to 10 autoclave cycle.

## 2. Basic Features

**2.1 Made up of** Polymethylpentene (TPX)

**2.1 Temperature range:**  $-80^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$

**2.3 Autoclavability:** Yes, Autoclavable at 15 psi and  $121^{\circ}\text{C}$  for 20 minutes

**2.4 Chemical resistance:** See website ([www.abdoslifesciences.com](http://www.abdoslifesciences.com))

**2.5 Manufactured in Aseptic Environment**

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**2.6 Intended use:** Widely used in scientific studies of molecular biology, clinical chemistry, biochemistry and any type of scientific laboratory.

### Autoclaving Guideline for Plastics

All plastic consumables are autoclavable at 121°C for 20 minutes, 15 psi/1atm. Do not use a dry cycle as this may cause deformation or weakening of the plastic. Allow temperature within the autoclave to return to at least 50°C before removing product.

### Instruction for Use

Product can be used for food contact also.

Storage temp. Max 30°C

Before using the product check crackness etc.

Check all the information printed on pouches or boxes.

Always wear gloves while handling specimens.

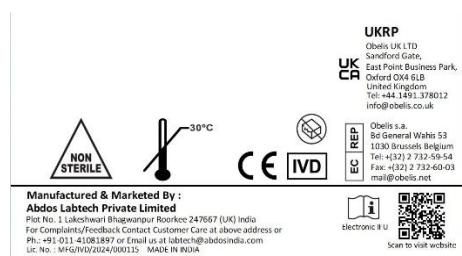
### WARNING

**DO NOT** store strong oxidizing agents.

**DO NOT** place any plastic labware in a flame.

**DO NOT** mix any chemicals that may result in a thermic reaction, which can cause product failure.

Consult local fire codes prior to storage of flammable liquids.



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## Abdos Labtech Pvt. Ltd. Measuring Cylinder – TPX Class A

Quality Manager  
Abdos Labtech Private Limited  
Employee Code 30110

