

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/ GLP-156- II  
Rev No: 09 Date- 05/2024-25

**Abdos Labtech Pvt. Ltd.**  
**TPX - Beakers with Handle**

**Valid for Catalog No. P50902, P50903, P50904, P50905, P50906, P50907, P50908**

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

## 1. Description/Specification

### 1.1 Description: Reusable TPX – Polymethypentene (PMP) Beaker with Handle

1.1.1 TPX Material has distinct advantage of high transparency & chemical resistivity, also has higher thermal withstand capacity over PP beakers.

1.1.2 Tapered stacking style saves space and makes it easy to handle.

1.1.3 All sizes have easy to read silk-screened graduations.

1.1.4 Precise pouring spouts.

**1.2 Design:** Tracked Stacking Design Rectangular handle for easy Carrying and pouring.

### 1.3 Performance Specifications:

1.3.1

Code	Capacity (ml)	Printing (Min - Mix)	Subdivision	Height (mm)	OD with Spout (mm)	OD (mm)	No./ Case
P50902	100 ml	20ml - 100ml	10ml	73 mm	71	63mm	6
P50903	250 ml	50ml -250ml	25ml	94 mm	93	83mm	6
P50904	500 ml	100ml - 600ml	50ml	128 mm	121	108mm	6
P50905	1000 ml	100ml - 1000ml	50ml	150 mm	142	129.5mm	4
P50906	2000 ml	200ml - 2000ml	100ml	192 mm	178	160mm	4
P50907	5000 ml	1000ml - 5000ml	500ml	263 mm	223	205mm	2
P50908	10000 ml	2000ml - 10000ml	1000ml	330 mm	278	250mm	1

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1.3.2 Tolerance limit  $\pm 10\%$

### **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.

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:**

1.6.1 Large, Printed with temperature, chemical and solvent resistant ink.

1.6.2 Meets accuracy requirements under “DIN 12231/ISO 7056 – 1981 (E) & BS 5404 Part 1 ”.

**1.7 Sterilization:** NA

### **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.

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### **2. Basic Features**

**2.1 Made up of** High purity Virgin Polymethylepentene (PMP)

**2.2 Temperature range:** -80<sup>0</sup>C to +175<sup>0</sup>C

**2.3 Autoclavability:** Yes, Autoclavable at 15 psi and 121<sup>0</sup>C for 20 minutes

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

**2.5** Manufactured in Aseptic Environment

**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<sup>0</sup>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<sup>0</sup>C before removing product.

### **Instruction for Use**

Product can be used for food contact also.

Storage temp. Max 30<sup>0</sup>C

Before using the product check crackness etc.

Check all the information printed on pouches or boxes.

Always wear gloves while handling specimen.

### **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. TPX - Beakers with Handle

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