

# Technical Data Sheet

Doc No – Ab/TDS/GLP-158-II

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## TECHNICAL DATA SHEET

**Abdos Labtech Pvt. Ltd.**

**TPX - Beakers with Handle**

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

### **1. Description/Specification**

#### **1.1 Description:**

Reusable TPX – Polymethypentene (PMP) Beaker without 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) | Sub division | Height (mm) | No./ Case |
|--------|---------------|----------------------|--------------|-------------|-----------|
| P50902 | 100 ml        | 20ml - 100ml         | 10ml         | 73 mm       | 6         |
| P50903 | 250 ml        | 50ml -250ml          | 25ml         | 94 mm       | 6         |
| P50904 | 500 ml        | 100ml - 600ml        | 50ml         | 128 mm      | 6         |
| P50905 | 1000 ml       | 100ml - 1000ml       | 50ml         | 150 mm      | 4         |
| P50906 | 2000 ml       | 200ml - 2000ml       | 100ml        | 192 mm      | 4         |
| P50907 | 5000 ml       | 1000ml - 5000ml      | 500ml        | 263 mm      | 2         |
| P50908 | 10000 ml      | 2000ml - 10000ml     | 1000ml       | 330 mm      | 1         |

1.3.2 Tolerance limit  $\pm 10\%$

#### **1.4 Material:**

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

1.4.2 Complies with the requirement of European Pharmacopoeia, Plastic Containers and closures for Pharmaceutical use.



**Abdos Labtech Private Limited**  
(A Division of Abdos Group)  
(An ISO 9001,13485,14001,18385,GMP & CE certified company)  
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1.4.3 The product has passed the USP testing including class VI tests, Materials has successfully passed the biological tests according to ISO 10993 external communication devices for indirect blood contact for Prolonged period.

1.4.4 Free from Heavy metals, RoHS Free according to meets relevant requirements of EU regulations 1935/2004/CE, 2002/95/EC as amended, UE 10/2011 as amended. EU CONEG & its following amendments. It is safe use in contact with food stuff, Pharmaceuticals & drinking water

1.4.5 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 12681/ISO 7056 – 1981 (E) & BS 5404 Part 1".

## 1.7 Sterilization:

NA

## 1.8 Quality control:

Product 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** High purity Virgin Polymethylene (PMP)

**2.2 Temperature range:** -80°C to +175°C

**2.3 Autoclavability:** Yes, Autoclavable at 15 psi and 121°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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## 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°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.




**NON STERILE**  

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