

# Technical Data Sheet

Doc No – Ab/TDS/GLP-157-II

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## TECHNICAL DATA SHEET

Abdos Labtech Pvt. Ltd.

TPX - Beakers without Handle

Valid for Catalog No. P50701, P50702, P50703, P50704, P50705, P50706, P50707, P50708

### 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:

Tapered Stacking Design

#### 1.3 Performance Specifications:

1.3.1

Code	Capacity (ml)	Printing (Min - Mix)	Sub division	Height (mm)	No./ Case
P50701	50 ml	10ml - 50ml	5ml	59 mm	12
P50702	100 ml	20ml - 100ml	10ml	73 mm	12
P50703	250 ml	50ml -250ml	25ml	94 mm	12
P50704	500 ml	100ml - 600ml	50ml	128 mm	6
P50705	1000 ml	100ml - 1000ml	50ml	150 mm	4
P50706	2000 ml	200ml - 2000ml	100ml	192 mm	4
P50707	5000 ml	1000ml - 5000ml	500ml	263 mm	2
P50708	10000 ml	2000ml - 10000ml	1000ml	328 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)  
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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 Polymethylepentene (PMP)

**2.1 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

## Autoclaving Guideline for Plastics



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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, pouch punctured 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.

