



**LABORATORY TEST REPORT**

**BS EN - 249 - Sanitary appliances - Shower trays made from crosslinked cast Acrylic sheets - Requirements and test methods**

Report No..... : WLR21/ECL/172/01

Sample No..... : WS21/ECL/172/01

Client Name..... : Moayana Technical Consultancy.

Address..... : Amman, Jordan.

Testing Laboratory :  **WIMPEY LABORATORIES**

Address : Ware House No. 01 & 02 Wimpey Building,  
Plot No. : 364-8730, Al Quoz Ind. Area-01, Dubai - UAE.

Test item Description.. : Karina Shower Tray ( 70\*70 cm )

Manufacturer..... : Egyptian for Rubber and plastic industries (ERPI)

Model/Type Ref..... : 901

Brand.... : WELLEN

Country of Origin..... : EGYPT

Test Standard : BS EN 249 - Sanitary appliances - Shower trays made from crosslinked cast Acrylic sheets - Requirements and test methods

Report Date..... : 16/05/2021

Test item received..... : 03/05/2021

Date of Test..... : 04/05/2021 – 12/05/2021

Tested by..... : SJV, AJC & VVS.

Summary of testing... : The Below test parameter complies with the specification of BS EN - 249





## RESULTS

### Test Environmental Conditions

Temperature (°C) : 23 ± 2

Relative Humidity (%) : 50 ± 5

Clause No.	Requirement – Test	Observation	Verdict		
4.0	<b>* General Requirements:</b>				
4.3	Surface appearance	No evidence of crack.	P		
4.4	Dimension and clearance around waste outlet hole	Comply with standard requirement.	P		
4.5	Overflow hole. Hole edges.	Not Applicable for this product	N/A		
4.6	Hole Edges	Not observed chips, cracks and other defects	P		
4.7	<b>* Dimension:</b>				
	Length	700.00	P		
	Width	700.00	P		
	Height	116.00	P		
	Waste Outlet Dia.	50.00	P		
4.8	<b>Geometric Deviations:</b>				
	Description	Standard Requirements	Unit		
	Deviation for Square	≤ 5.00	mm	1.23	P
	Deviation for straightness of rim sides			1.32	P
	Deviation for straightness of bottom edge			1.39	P
	Deviation for top surface of the rim			1.42	P
4.10	<b>* Resistance to Temperature Change:</b>				
	Description	Water Temperature (°C)	Standard Requirements		
	Resistance to Temperature Change	90	≤ 4.00 mm	Not observed evidence of distortion or other defects observed.	P





4.11 Resistance to Impact:					
	Description	Clamp the tube length (mm)	Clamp the tube Inner Diameter (mm)		
	Resistance to Impact	1000	55	Not observed evidence of distortion or other defects of the bottom and rim of Shower tray	P
4.12 Deflection Test					
A.5.4 Deflection of the rim and the bottom due to load on the bottom					
	Description	Duration	Standard Requirements		
	Max. deflection on rims sides	10 Min	≤ 2 mm	0.74 mm	P
	Max. deflection on bottom sides			1.33 mm	P
5.0 Marking					
	Manufacturer	Egyptian for Rubber and plastic industries (ERPI)			P
	Brand / Trade Mark	Wellen			P
	Model/Type Ref	901			P
	Country of Origin	EGYPT			P
	Reference Standard (European)	Not Provided			-

**Remarks:** The above tested parameter meets the standard requirements of BS EN - 249.  
\* Non accredited scope by IAS.

**Signed for and on behalf of Wimpey Laboratories**

**A. Umar Farook**  
**Technical Manager**

Test results relate only to the samples tested.

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- End Text-







**Photograph of Test Object and Marking**

