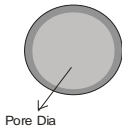
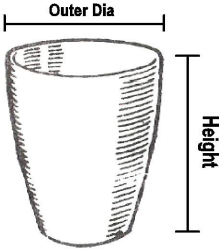


Product Quality Specification

Product		POROUS BOTTOM CRUCIBLE 1.2 Microns	
SILICO Cat No.	J--150	Engg. Drawing	Porous Bottom Cruc.
Construction Details		Performance Specification	
Raw Material	Chemical Porcelain	Capacity	25 ml
Top OD	36 mm	Product unit weight	20 gm.
Height	42 mm		
Pore Diameter	Approx. 15 microns (very fine)		
Wall Thickness	1.5 mm		
Finish	With porous disc permanently formed into walls. Stable porosity and rate of flow.		
Cover	No		
<div><div></div><div></div></div>			
Packaging Specification			
Primary Pack	Pack of 8	Case Size (l X b X h) in	250 x250 x 180
Secondary Pack	Case of 2 Packs	Case Weight	1.100 Kg.
Product Qualification Test Specification			
(One time testing for Product Approval. Applicable for first shipment and product revisions)			
Performance Characteristics		Test Standard	Conformance
Porcelain chemical composition		Wet Chemistry/ Instrumental	As per the accepted Chemical Composition
Water Absorption		ASTM-373	below 0.2%
Flextural Strength (MOR) @ 20 ⁰ C		ASTM F-417	Min. 80 Mpa (815 Kg/cm ²)
Hot Conc. H2SO4 @ Temp-100 ⁰ C, Time-4hrs		32g Crucible Test / ASTM C279	Below 0.01%
Hot 10% NaOH @ Temp-100 ⁰ C, Time-4hrs		32g Crucible Test	Below 0.1%
Hot 50% H3PO4 @ Temp-90 ⁰ C, Time-4hrs		32g Crucible Test	Below 0.01%
Volume Conformance		Volumetric	As per the Engineering Drawing
Dimensional Conformance		Vernier	As per the Engineering Drawing
Ovality		Gauge	As per the Engineering Drawing
Product Finish		Visual	As per master samples
Packaging Box strength	Bursting strength	IS 1060	As per the Packaging Material specification matrix
	Edge Crush Test	IS 7063	As per the Packaging Material specification matrix
	Moisture Content	IS 1060	Less than 10%
Pre Shipment Test	Vibration Test	ASTM D999	As per ISTA regulations
	Drop test	ASTM D5276	As per ISTA regulations
Note: Above all testings are to be as per test sample requirements of the correspding standards, but the samples must be prepared out of same materials and same processes.			
Production Quality Control Specifications - Final Assembled Lot Inspection			
(Needs to be done during production and for each shipment lot produced)			
Performance Characteristics		Frequency	Conformance
Dimensional Conformance		Sampling	As defined in CCP
Ovality		Sampling	As defined in CCP
Product Finish		100%	As defined in CCP
Water Absorption, ASTM-373		Sampling	below 0.2%