





**ANTS Ceramics Pvt. Ltd.**  
Transparent Fused Quartz Labware





<b>High Form Crucible</b>				
S.No.	Picture	Code	Volume (ml)	Price (US\$)
1		QCruLFA15	15	4.20
2		QCruLFA25	25	5.40
3		QCruLFA50	50	9.60
4		QCruLFA80	80	19.50
5		QCruLFA100	100	24.00
6		QCruLFA150	150	33.00
7		QCruLFA250	250	45.00


<b>Lid for above Crucible</b>				
S.No.	Picture	Code	Volume (ml)	Price (US\$)
8		QCov15	15	3.00
9		QCov25	25	3.60
10		QCov50	50	4.80
11		QCov80	80	7.50
12		QCov100	100	12.00
13		QCov150	150	13.50

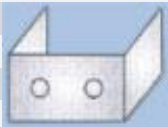
<b>Tall Form Crucible</b>				
S.No.	Picture	Code	Volume (ml)	Price (US\$)
14		QCruTFA15	15	4.20
15		QCruTFA30	30	5.40
16		QCruTFA50	50	9.60


<b>Gooch Crucible</b>				
S.No.	Picture	Code	Volume (ml)	Price (US\$)
17		QCruGA20	20	13.50
18		QCruGA30	30	15.00
19		QCruGA50	50	18.00


<b>Evaporating Basin</b>				
S.No.	Picture	Code	Volume (ml)	Price (US\$)
20		QEvaBA20	20	6.00
21		QEvaBA35	35	9.60
22		QEvaBA35	70	18.00
23		QEvaBA35	100	27.00
24		QEvaBA35	150	36.00
25		QEvaBA35	200	54.00
26		QEvaBA250	250	72.00

<b>Dish &amp; Lid for Ash &amp; Moisture Determination</b>					
S.No.	Picture	Code	Diameter (mm)	Height (mm)	Price (US\$)
27		QDishA38	38	11	17.40
28		QDishA54	54	12	22.50

<b>Volatile Material Determination Crucible</b>					
S.No.	Picture	Item	Code	Volume (ml)	Price (US\$)
29		Crucible	QCruVMD20	20	5.40
30		Crucible	QCruVMD25	25	4.65
31		Crucible	QCruVMD30	30	4.05
32		Crucible	QCruVMD35	35	3.60
33		Lid	QLidVMD20		1.80
34		Lid	QLidVMD25		1.65
35		Lid	QLidVMD30		1.35
36		Lid	QLidVMD35		1.20
37		Plunger	QPluVMD20		3.60
38		Plunger	QPluVMD25		3.15
39		Plunger	QPluVMD30		2.70
40		Plunger	QPluVMD35		2.43

<b>Muffle Stand for 2 VMD Crucibles</b>				
S.No.	Picture	Code	Volume (ml)	Price (US\$)
41		QMufVMD20	20	15.00
42		QMufVMD25	25	13.05
43		QMufVMD30	30	11.25
44		QMufVMD35	35	10.05

<b>Triangle on Nicrome Wire</b>				
S.No.	Picture	Code	Diameter (mm)	Price (US\$)
45		QTria38	38	3.00
46		QTria50	50	3.60
47		QTria63	63	4.05
48		QTria75	75	4.65
49		QTria100	100	5.25

<b>Boat</b>				
S.No.	Picture	Code	Dimensions (L x B x H)	Price (US\$)
50		QBoat5012	50 mm x 12 mm x 8 mm	8.16
51		QBoat7512	75 mm x 12 mm x 8 mm	9.60
52		QBoat7520	75 mm x 20 mm x 12 mm	13.44
53		QBoat10020	100 mm x 20 mm x 12 mm	18.24

### Properties of ANTS Fused Quartz:

1. Chemical Composition: 99.99% Silica
2. Maximum use temperature in air atmosphere 1200 C
3. Most acids, metals, chlorine and bromine are unreactive with fused quartz at ordinary temperatures.
4. It is slightly attacked by alkaline solutions, the reaction rate increases with temperature and concentration of solution.
5. Phosphoric acid will attack fused quartz at temperatures above about 150°C. Hydrofluoric acid alone will attack it at all temperatures. Carbon and some metals will reduce fused quartz; basic oxides, carbonates, sulfates, etc., will react with it at elevated temperatures. For general use, however, it can be concluded that fused quartz is quite unreactive.
6. Quartz undergoes phase inversion to cristobalite phase at about 1200°C. This inversion is accompanied by a large change in density and can result in spalling and possible mechanical failure. This inversion is also called Devitrification. Devitrification is a two step process of nucleation and growth. In general, the devitrification rate of fused quartz is slow for two reasons: the nucleation of the cristobalite phase is possible only at the free surface, and the growth rate of the crystalline phase is low.