S MURRAY & CO

Dimensions (mm)		
Body Length (L)	75	+/- 2
Overall Diameter (OD)	10	+/- 0.15
Wall Thickness (WT)	1.5	+/- 0.1
Bottom Thickness (B)	1.20 - 2.0	
Stick Length	1600	
Double Length	150	+2/-0

Neck Finish	
Neck Type	Rimless
Closure Type	None
(Bagged/Inserted)	N/A

Materials	
Tube	Borosilicate Glass, Heavy Wall
Code	200061

Physical Properties	
Coefficient of Expansion	33 x 10^{-7} (20-300°C)
Density	2.23
Softening Point	825°C
Annealing Point	560°C
Working Point	1260°C
Tray Anneal	No
Print	Yes
Machine Number	11
Speed of Machine	10
Speed of Oven	2
Oven Temperature	580

Composition	
SiO_2	81.0
B_2O_3	13.0
Al_2O_3	2.0
Fe_2O_3	0.0
Na_2O	4.0
$K_2 0$	
BaO	0.0
CaO	0.0
Mg0	0.0
TiO_2	0.0
MnO_2	0.0

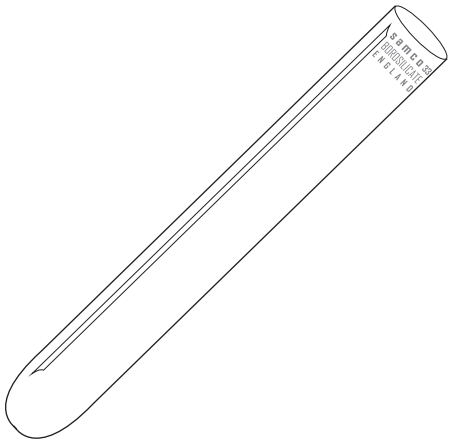
Packing	
No/Carton	100
Layer/Tumble/Wrapped	W
Box Type	50 x 9/10
Code	700002

G033/01

75 x 10 mm

Rimless Test Tube

Borosilicate Glass



Scale of Drawing 1:1	
This drawing is property of S Murray & Co	
Issue: 3	Date: November 2012
Signed: Geoff Hambly, Quality Manager	