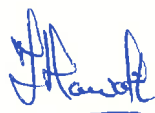
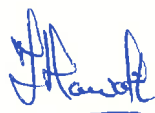
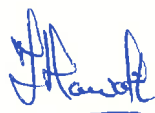


TEST REPORT

2006/95/EC The Low Voltage Directive

Name and address of the Client	Micromass UK Ltd Mass Spec Manufacturing Floats Road Wythenshawe Manchester M23 9LZ								
Test Tool Type	Baking Test Box								
Identifier (number)	TB594 APGC								
Functional Description	The equipment is used by Micromass trained personnel only for the purpose of baking out transfer lines. Up to three bake outs can be conducted simultaneously, with independent heating controls. The equipment is mains powered and is class I, requiring an earth connection.								
Electrical rating	220-230V, 50/60Hz, 10A								
Other documents considered	289004956 – APGC heated transfer line bake out procedure								
Assessed according to	2006/95/EC. The Low Voltage Directive.								
Name and address of the testing laboratory	Allied Approvals Limited, 49 Woodhall Road, Kidsgrove, Stoke-on-Trent. ST7 4QY		Telephone (+44) 1782 479230						
Assessed in period	07/08/09								
Assessed by	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;">Signature</td> <td style="width: 40%; border: none; text-align: center;">  </td> <td style="width: 30%; border: none;">Date:</td> </tr> <tr> <td style="border: none;">Name in block letters</td> <td style="border: none; text-align: center;">T.HAWORTH</td> <td style="border: none; text-align: center;">07/08/09</td> </tr> </table>			Signature		Date:	Name in block letters	T.HAWORTH	07/08/09
Signature		Date:							
Name in block letters	T.HAWORTH	07/08/09							
Reviewed by	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;">Signature</td> <td style="width: 40%; border: none; text-align: center;">  </td> <td style="width: 30%; border: none;">Date:</td> </tr> <tr> <td style="border: none;">Name in block letters</td> <td style="border: none; text-align: center;">H.PRICE</td> <td style="border: none; text-align: center;">10/08/09</td> </tr> </table>			Signature		Date:	Name in block letters	H.PRICE	10/08/09
Signature		Date:							
Name in block letters	H.PRICE	10/08/09							

General remarks:

The test results presented in this report relate only to the object tested. This report shall only be reproduced in full unless written permission is obtained from the testing laboratory.

SUMMARY OF ASSESSMENT:

The equipment has been assessed and tested and complies with the requirements. Individual component datasheet were inspected for regulatory approvals and found to be satisfactory.

During the course of the assessment the corrective actions below were taken.

Requirement	Conformity action taken (or required)
Rating label	—
Warning labels	The earth symbol was added adjacent to the main earth terminal
Documentation	—
Electrical safety	A spring washer was added to the earth terminal with an additional locking nut to guard against loosening cause by vibration during usage.
Mechanical safety	—
Fire	—
Heating	—
Radiation	—
Other hazards	—

Conformity Statement

The equipment now conforms to the essential health and safety requirements of the Low Voltage Directive 2006/95/EC.

TESTING CARRIED OUT:

The following safety tests were carried out on the equipment.

Test	Result		Acceptable (Y / N)
Input current	3.3A	Rating plate value: 10A	Y
Earth leakage current	0.56 mA		Y
Earth bonding	0.06Ω		Y
Capacitance discharge (plug)	To 0V in < 2s		Y
Insulation resistance	>10MΩ		Y
Temperatures	Enclosure plastic	31°C	Y
	PSU inlet	35°C	
	AC switch	29°C	
	Controller case	33°C	
Mechanical Strength tests	Enclosure 250N		Y
Accessibility	Standard Finger 4mm Pin		Y
Other tests	None		—

PHOTOGRAPHS

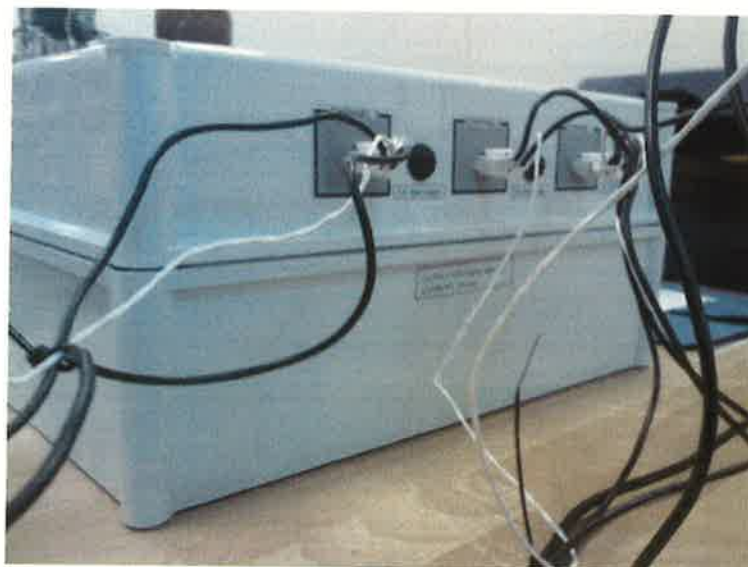
Front view



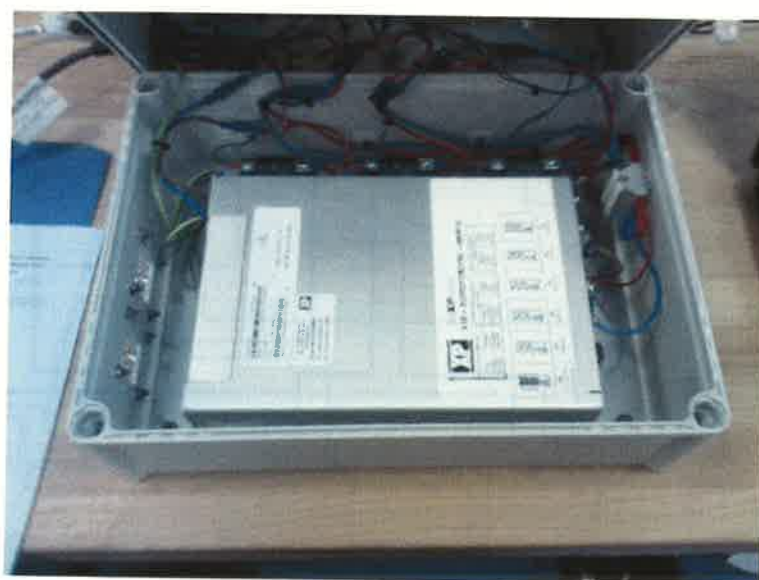
Side view with AC inlet



Rear view



Internal view



SCHEMATIC DIAGRAM

