



**CPC**  
**DIAGNOSTICS PVT. LTD.**

**INSTALLATION QUALIFICATION**

INSTRUMENT ISSUE  
MODEL NO : Turbochem 100

SERIAL NO : 4611-1086

SOFTWARE VERSION : 1.2.0.437

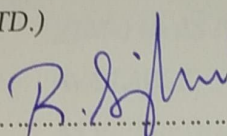
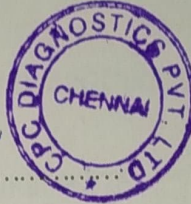
MANUFACTURER : AWARENESS TECHNOLOGIES INC, USA

DISTRIBUTOR : CPC DIAGNOSTICS PVT. LTD.,  
No. 324, KHADI GRAMMODYOG COMPLEX,  
AVVAI SHANMUGAM SALAI, GOPALAPURAM,  
CHENNAI-86

CUSTOMER NAME : ALOKNANDA DIAGNOSTIC, NEW DELHI.

DATE OF INSTALLATION : 21/01/2013

ENGINEER (FOR CPC DIAGNOSTICS PVT. LTD.)

SIGNATURE :  

NAME : Mr. R.SURAJ KUMAR,

DESIGNATION : HEAD-CUSTOMER SUPPORT

COMPANY : CPC DIAGNOSTICS PVT. LTD.

CUSTOMER (ALOKNANDA DIAGNOSTIC, NEW DELHI.)

SIGNATURE : .....

NAME : .....

DESIGNATION : .....



**DIAGNOSTICS PVT. LTD.**

**INSTALLATION REQUIREMENTS**

**Installation Environment Conditions**

Place should not be subjected to direct sunlight  
Place should be flat and minimum of dust.

**Power Supply**

Voltage 220-240V AC  
1.0 KVA Online UPS.

**Temperature And Humidity Conditions**

The temperature of the analyzer room should be between 18 - 30°C  
The temperature fluctuation during the analysis should be ± 2°C

**Dimensions Of System Main Units (Unit: cm)**

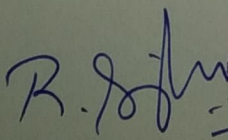

TURBOCHEM100 Width 53cm x Length 50cm x Height 40cm Weight 15Kg  
DPR Width 700 x Depth 700 x Height 1430

**ANALYSER PC QUALIFICATION**

POWER SUPPLY	:	230/50 Hz AS PER REQUIREMENTS
UPS	:	AVAILABLE
CURRENT	:	AS PER REQUIREMENTS
COM PORTS AVAILABLE	:	YES
ONLINE POSSIBLE	:	YES
PROCESSOR SPEED	:	1.46GHz
RAM	:	2 GB
STORAGE CAPACITY	:	500 Gb
MONITOR	:	15"
PROCESSOR	:	INTEL
OPERATING SYSTEM	:	WINDOWS 8
SOFTWARE CD	:	AVAILABLE
PRINTER PORT	:	AVAILABLE

VERIFIED BY: Mr. R.SURAJ KUMAR

REVIEWED BY:

SIGNATURE:

(FOR ALOKNANDA DIAGNOSTIC,  
NEW DELHI.)

SIGNATURE:

**PERFORMANCE QUALIFICATION**

**FILTER VOLTAGES** – All wave length voltage should be within 2 to 10 volts

Filters(nm)	Volts(v)
340	5.97
405	6.41
505	6.89
545	6.95
580	7.08
630	7.19

**PRECISION CHECK**

This module is highlighting the reproducibility and pipetting accuracy of the system. Measuring criteria

1. One end point chemistry
2. One kinetic chemistry
3. Large sample chemistry
4. Small sample chemistry
5. R1 only
6. R1 + R2

BY DOING PRECISION CHECK WITH GLUCOSE, ALT, CREATININE ABOVE REQUIREMENT WILL BE COMPLETED.

**DETAILS OF REAGENTS, CALIBRATORS AND CONTROLS**

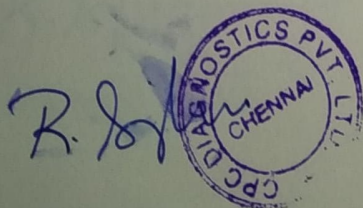
REAGENTS : Jeev reagents  
 CALIBRATOR : Identi Chemistry Callibrator (LOT NO 27189)  
 CONTROL : Randox Hum LEVEL 2-844un

HERE BY I'm VERIFYING THAT THE CONTROL RESULT OF THE EXECUTED PARAMETERS ARE WITHIN THE SD RANGE AND CV RANGE.

VERIFIED BY: Mr. R.SURAJ KUMAR

REVIEWED BY:

(FOR ALOKNANDA DIAGNOSTIC,  
NEW DELHI.)



SIGNATURE:

SIGNATURE:

OPERATIONAL QUALIFICATION

**ANALYSER ALIGNMENT CHECK** **REMARK**

- |  |    |
|--|----|
| <input type="checkbox"/> PROBE Vs RACK MOVER           | OK |
| <input type="checkbox"/> PROBE Vs CUVETTES             | OK |
| <input type="checkbox"/> PROBE Vs WASHCUP              | OK |
| <input type="checkbox"/> PHOTOMETER VS CUVETTE CARRIER | OK |

**RACK MOVEMENT CHECK**

- |   |    |
|---|----|
| <input type="checkbox"/> RACK MOVEMENT TIME | OK |
|---|----|

**CUVETTE CARRIER / READ SHUTTLE MOVEMENT CHECK**

- |  |    |
|--|----|
| <input type="checkbox"/> CUVETTE CARRIER Y MOVEMENT TIME | OK |
| <input type="checkbox"/> READ SHUTTLE X MOVEMENT TIME    | OK |

**CUVETTE CARRIER / LAMP**

- |  |      |
|--|------|
| <input type="checkbox"/> LAMP CONDITION      | GOOD |
| <input type="checkbox"/> CUVETTE TEMPERATURE | OK   |

**PROBE MECHANISM**

- |   |    |
|---|----|
| <input type="checkbox"/> PROBE X MOVEMENT TIME        | OK |
| <input type="checkbox"/> PROBE Z MOVEMENT TIME        | OK |
| <input type="checkbox"/> PROBE WASHING                | OK |
| <input type="checkbox"/> PROBE LIQUID LEVEL DETECTION | OK |


**SYRINGE CONDITION**

- |   |    |
|---|----|
| <input type="checkbox"/> SYRINGE MOVEMENT | OK |
| <input type="checkbox"/> SYRINGE LEAK     | NO |

VERIFIED BY: Mr. R.SURAJ KUMAR

REVIEWED BY:

(FOR ALOKNANDA DIAGNOSTIC,  
NEWDELHI.)

*R. Suraj Kumar*  


SIGNATURE:

SIGNATURE: