TOSOH INDIA PVT.LTD.

TOSOH

Gebi Industrial Park , Building No. 'C' , Sonale Village
Bhiwandi , Thane -421 302 , India , Tel.: +91-25 222 84100
email. : info@tosohoindia.com , web : www.tosohindia.com

HLC-723 Report of Calibration

Variant Mode

Date YY: 19 MM: 08 DD: 21

No. 2019 08-02

Laboratory: Vijaya Diagnostic Centre
Address: Nandyal
Department: Biochemistry

Signature: Siddhant

Service Engineer
Section
Name: Siddhant Das.
Product Specialist

Sign of Check ok: V replace: X adjustment: A repair R cleaning :C grease up: L

Machine Information

Instrument: HLC-723GX
Instrument S/N: [redacted]
Sample Loader S/N: 11418608 — NA —
Needle type: ☑ standard ☐ side-hole
AUTO SAVE: ☑ YES ☐ NO
Bar-code: ☑ YES ☐ NO

Measurement Conditions

SYSTEM Ver. No. 01.24.
Sample ☑ whole blood ☐ centrifuged ☐ mixed
FLOW 0.990 Z1-SMP 3025
Y1-SMP 3640 Y1-STAT —
SYS-IN1 —
SYL-IN3 —

1. Alarm setting

☑ paper-end, condition of printing
☑ Column oven temperature

2.Sampling unit

☑ Rotor-seal (Injection valve)
☐ Stator-face (Injection valve)
☑ Arm (Injection valve, check if loosened or not)
☑ Sample-loop (Injection valve)
☑ Rotor-seal (Rotary valve)
☑ Round head screws at the coupling (Rotary valve)
☑ Packing, check leak and worn or not (Syringe-S)
☑ Packing, check leak and worn or not (Syringe-L)
☑ Dilution port & Needle wash block, clean or not
☑ Leak from O-ring (P/N.017092)
☑ Barcode reader, readable without error
☑ End-marker, detection sensitivity
☑ Positions of rack-holder, tube-holder & sample sensor
☑ Actions of Z1 & Y1 axes and SY-S & SY-L
☑ Actions of X1 X2 Y2 and Y3 axes, no loosened screw
☑ Position of X1 pitch-sensor
☑ Positions between the main body and loader
☑ Needle positions (at sampling ,at dilution, at STAT)
☑ Sample suction positions
Whole blood sample Aspiration check : 6 uL
Diluted blood sample Aspiration check : 120 uL

3 Detector
Column oven Temperature 25 Allowed : +/- 2
☑ Check noise at buffer changes
☑ Baseline stability
☑ Detector adjustment
Lamp Initial Intensity 705
Lamp Current Intensity 36.60M v
REF % 99%

4.Pump

☑ Check if the pump cam is not dirty
☑ Leak from plunger-seal
☑ Check if the diaphragm and plunger are not worn
☑ Actions & leak of check-valves (Uptake & Purge)
☑ Leak from drain-valve
☑ Suction & line filters clogging
☑ Pressure (MPa) w/o column 0.2 w/ column 6.5MPa
☑ Vacuum condition
☑ Drain flush
☑ Valves actions
FLOW FACTOR 0.99 Measured flow 1.08 ml/min

5.Others

☑ Quality of printed letters
☑ Parameters settings
☑ AC voltage L-N 224 N-E 0.3 L-E 225
☑ DC voltage 12V 11.8 24V 24 5V 5
☑ Check of Smart Media
☑ Clean up

6. Receiving inspections

☑ CALIB.std. 1; 5.85 % 2; 10.67
Calib. factors Y = (1.1418) X + (0.3816)
☑ CALIB 1, RT A1a; 0.24 A1b; 0.32 F; 0.42
L-A1c; 0.54 S-A1c; 0.67 A0; 1.02
☑ Cntl assigned values L; 5.4 ±0.3% H; 9.9 ±0.5%
Observed Cntl values L; 5.3 % H; 9.9
☑ Total-Area ☑ 700-3,000 ☐ NG
☑ Chromatogram ☑ Good ☐ NG

☑ Check if all the items on this sheet have been filled out.

7.Remarks

Calibration due on 02-08-2020