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## Coralyzer Series Fully Automatic Biochemistry Analyzer, Inspection/calibration Report

Test QC refer to: <<Coralyzer Series Fully Automatic Analyser>> Registered Standard Model: Cralyzer Smart, S/N: AES2K0KH12170F

Meter used for calibration: , Cal Date:- 18-01-2024 , Due Date:- 17-01-2025

Sr	Inspection Item	Criterion of QC test	Result	Conclusion		
	Software functions	<p>CRITERIA OF QC TEST</p> <p>a) Analytical method may analyse 40 pos at the same time.</p> <p>b) Programming item</p> <p>c) Automatic priority inspect of emergency sample.</p> <p>d) Calibration linearity/non-linearity multi point calibration.</p> <p>e) QC at may operate most of QC at same item.</p> <p>g) Storage</p> <p>h) Printer multiple report formats available, user can self edit report formats.</p> <p>i) STAT</p> <p>j) Sample rerun/recheck.</p> <p>k) Sample /reagent probe liquid check.</p> <p>l) Mixing function.</p> <p>m) results storage, query, quality control chart, the whole process of monitoring the response curve</p> <p>n) Crash gard function.</p>	<p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p>	PASS		
2	Dark Abs	Absorbance $\geq 3.400 A$	5.2	OK		
3	Linearity range of absorbance.	The maximum absorbance should be not less than 3.700A within the relative range of $\pm 5\%$	340nm: 5.1	OK		
			505nm: 4.8	OK		
4	Accuracy of absorbance	Less than $\pm 0.040A$ at 1.00A	0.012	OK		
		Less than $\pm 0.060A$ at 1500A	0.027	OK		
		Less than $\pm 0.020A$ within 0.500A	0.048	OK		
5	Accuracy of absorbance	Absorbance change should be less than 0.005A/min	340nm: 0.003A	OK		
			505nm: 0.002A	OK		
6	Reproducibility of absorbance	coefficient of variation $cv \leq 3\%$	2.73%	OK		
7	Temperature of reaction cuvette 37	Accuracy less than $\pm 0.1^\circ C$	37°C	OK		
		Fluctuate of temperature less than $\pm 0.1^\circ C$	0.005°C	OK		
	Temperature of reagent storage	Under normal work condition, reagent storage should be 2-8°C	6.0°C	OK		
9	Carryover	Sample carryover less than 0.05%	PASS			
10	Accuracy of parameter	Items	Concentration	CV		
		UREA	76.3-109.9	$\leq 3\%$	1.30%	OK
		GLUC	81.0-116.6	$\leq 3\%$	1.20%	OK
		SGOT	55-87	$\leq 3\%$	2.70%	OK
11	Apperance	<p>a) Whole appearance of the surface should not have obvious mechanical abrasion, corrosion and surface coating spalling.</p> <p>b) All connections are stable and fixed well.</p> <p>c) Moving parts running smooth and keypad works well</p>	PASS			
12	Protect ground connect	The impedance between ground outlet from power supply net and ground protected touchable metal should not more than 0.1 $\Omega$	PASS			
13	Power grid, power supply, circult	Basic insulation: 50Hz the sine 230V alternating voltage test. should not apper brakdown or occur electric arcing.	PASS			

Inspection/Calibration date: 18-01-2024

Check:

Vikas yadav

re-check:

JANJERU

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