



Calibration Certificate

شركة عبداللطيف حسين أبو الجدائل وأولاده
Abdullatif H. Abuljadayel & Sons Co.



Customer : HSTE	Instrument : DR/900
Location : RIYADH	COLORIMETER
Certificate # : ALAJ/HSTE/DR900/1031/071024	Serial Number : 200080001031
	Date of Cal : OCTOBER 07,2024
	Due of Cal : OCTOBER 07,2025

DR/900 COLORIMETER SERVICE CHECKOUT SHEET

CHARACTERISTICS	STANDARDS	ACTUAL DISPLAY	REMARKS
Visual Inspection	PASS/FAIL	PASSED	CLEANED
Sample Compartment/Cover	PASS/FAIL	PASSED	CLEANED
Software Version	Version 1.070	1.070	OK
Key pad buttons	PASS/FAIL	PASSED	OK
Screen Display	PASS/FAIL	PASSED	OK
Battery	PASS/FAIL	PASSED	OK

CALIBRATION TESTS

STANDARD ACCURACY CHECK

STANDARDS	WAVELENGTH in nm	METHOD / CHEMISTRY	RESULTS
ABSORBANCE STD	420, 520, 560 & 610 nm	ABS / COLOR	PLS FIND ATTACHED

NOTE: The standards used for accuracy check are especially prepared by the manufacturer that verify all the aspect of the system in general, particularly the Absorbance Standards in which covers all the crucial wavelength range of the Instrument. HACH prepared this to minimize users error in preparing calibration accuracy verification standards .

CALIBRATION CERTIFICATE

This is to Certify that the said Instrument has been Tested using and the methodology was determined during accuracy check using Specs Color Std. Kit ; ABS Std. Kit (Cat # 27639-00) and passes the performance test which meets the manufacturing specification and traceable to the National Institute of Standards and Technology(NIST) through comparison to the Certified Value within the designated tolerance.

This Certificate is issued on **OCTOBER 07,2024** on behalf of **HACH-LANGE Co.(EU-Germany)**.

Calibration & Certified By :

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An ISO 9001:2015 Certified Company



Certificate of Analysis

Product : DR/Check Secondary Standards Kit

Product Number: 2763900 Lot Number: A3041 Expiration Date: Feb 2025

Wavelength	Blank A3038	STD 1 (ABS) A3025	STD 2 (ABS) A3025	STD 3 (ABS) A3025
420 nm	0.000	0.585 +/- 0.050	1.217 +/- 0.100	1.766 +/- 0.150
520 nm	0.000	0.602 +/- 0.050	1.222 +/- 0.100	1.805 +/- 0.150
560 nm	0.000	0.592 +/- 0.050	1.246 +/- 0.100	1.805 +/- 0.150
610 nm	0.000	0.571 +/- 0.050	1.194 +/- 0.100	1.719 +/- 0.150

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Certified as ISO 9001:2015

الصيانة - الرياض
RIYADH MAINTENANCE



NOTE: Transfer the control values to the enclosed certificate label and keep the label with your instrument for reference. For example, the test values for using a DR/890 Colorimeter at 560 nm would be :

0.592, 1.246, and 1.805 Absorbance for Standard 1, Standard 2, and Standard 3 respectively

File this certificate of Analysis for safe keeping. Certified at 25°C

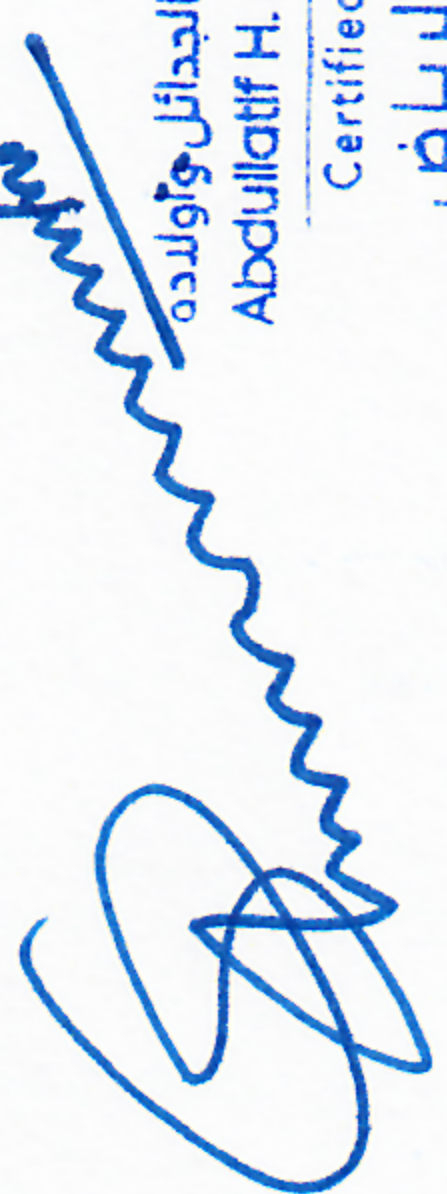
Certified by: for and on the behalf of Hach Company.

PARAMETER	STD	WAVELENGTH	NOMINAL VALUE	UNIT	TOLERANCE	UNIT	ACTUAL VALUE	UNIT	PASS ?
Single Wavelength	STD1	420 nm	0.585	ABS	+/- 0.050	ABS	0.563	ABS	PASS
Single Wavelength	STD2	420 nm	1.217	ABS	+/- 0.100	ABS	1.204	ABS	PASS
Single Wavelength	STD3	420 nm	1.766	ABS	+/- 0.150	ABS	1.769	ABS	PASS
Single Wavele nghth	STD1	520 nm	0.602	ABS	+/- 0.050	ABS	0.598	ABS	PASS
Single Wavelength	STD2	520 nm	1.222	ABS	+/- 0.100	ABS	1.244	ABS	PASS
Single Wavelength	STD3	520 nm	1.805	ABS	+/- 0.150	ABS	1.819	ABS	PASS
Single Wavelength	STD1	560 nm	0.592	ABS	+/- 0.050	ABS	0.599	ABS	PASS
Single Wavelength	STD2	560 nm	1.246	ABS	+/- 0.100	ABS	1.241	ABS	PASS
Single Wavelength	STD3	560 nm	1.805	ABS	+/- 0.150	ABS	1.809	ABS	PASS
Single Wavelength	STD1	610 nm	0.571	ABS	+/- 0.050	ABS	0.575	ABS	PASS
Single Wavelength	STD2	610 nm	1.194	ABS	+/- 0.100	ABS	1.199	ABS	PASS
Single Wavelength	STD3	610 nm	1.719	ABS	+/- 0.150	ABS	1.731	ABS	PASS

DR/900 SN # 200080001031

DATE : 07/10/2024

OPERATOR : BIJU


 شركة عبدالحطيف حسيب أبو الجذائل مؤلدة
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