

CALIBRATION CERTIFICATE

Certificate No.:		QC240121-41		Date of Calibration:		01-02-2022	
Customer Name:		Aberdeen Technical Services Basra Iraq		Due Date of Calibration:		31-01-2023	
Instrument under Calibration:		Illumination For Machine Shop Area		Identification No.:		ATS.I.LXG 001B	
Serial No. :	1965921	Instrument Location	Machine Shop	Acceptance:		> 500 lux	
Model No. :	-----	Resolution	0.01	CLAUSE Number:		11.7.2	
Calibration Method:		Based on <i>API 5A5</i> ; The reported uncertainty is the expanded uncertainty with k=2 according to the <i>ISO/IEC "Guide to the expansion of uncertainty in measurement"</i> providing a level of confidence of approximately 95%					

Equipment used for calibration: Digital Lux Meter

Environmental Conditions during calibration:

40.2 % RH	Calibration Temperatures Mean:22.5°C
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RESULTS

The instrument under calibration was calibrated up to full scale according to the used standard calibration method. The following gives the under test readings and the corresponding reference mean readings:

Place of Inspection	Time Of Measuring	LUX Measured	Result (Acc./Rej.)	Remarks
MYDAY LATHE 10"	9:00 AM	670 lux	acc	With Spot Light
	3:30 PM	830 lux	acc	
	5:00 PM	615 lux	acc	
	8:00 PM	520 lux	acc	
MYDAY LATHE 14"	9:00 AM	668 lux	acc	With light bulb over machine
	3:30 PM	895 lux	acc	With light bulb over machine
	5:00 PM	628 lux	acc	With light bulb over machine
	8:00 PM	610 lux	acc	With Spot Light
DEAN SMITH & GRACE LATHE 14"	9:00 AM	683 lux	acc	With Spot Light
	3:30 PM	720 lux	acc	
	5:00 PM	601 lux	acc	
	8:00 PM	515 lux	acc	
ZAKLADY SMALL LATHE	9:00 AM	675 lux	acc	With Spot Light
	3:30 PM	815 lux	acc	
	5:00 PM	625 lux	acc	
	8:00 PM	587 lux	acc	
MATRA SMALL GRINDER	9:00 AM	634 lux	acc	With Spot Light
	3:30 PM	740 lux	acc	
	5:00 PM	620 lux	acc	
	8:00 PM	537 lux	acc	

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CINCINNATI BIG GRINDER	9:00 AM	643 lux	acc	With Spot Light
	3:30 PM	792 lux	acc	
	5:00 PM	626 lux	acc	
	8:00 PM	573 lux	acc	
BAND SAW	9:00 AM	4233 lux	acc	Sun beams
	3:30 PM	3412 lux	acc	Sun beams
	5:00 PM	812 lux	acc	Tiny sun beams
	8:00 PM	920 lux	acc	With spot light and light bulb over machine
PHOSPHATE AREA	9:00 AM	2351 lux	acc	Sun beams
	3:30 PM	4401 lux	acc	Sun beams
	5:00 PM	760 lux	acc	Tiny sun beams
	8:00 PM	541 lux	acc	With spot light

The Instrument Specification

- This calibration was carried out in compliance with the *ISO/IEC 17025*.
- The standard/standards used in this calibration is/are traced to the SI unit of pressure through traceability to primary standards maintained in the National Institute of Standards (NIS)
- This calibration certificate refers only to the particular item submitted for calibration
- This certificate shall not be reproduced, unless written permission has been obtained from the lab
- Customer should ensure comparing between instrument data sheet and the above results before assembly.
- This certificate is valid only with signature and stamp.

Inspected By: **Asiad Rafiq**
 Signature:

