



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

*Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:*

### ***Medical Murray***

***400 North Rand Rd, North Barrington, IL 60010***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:*

### **ISO/IEC 17025:2017**

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

### ***Mechanical and Dimensional Testing*** ***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen  
President

*Initial Accreditation Date:*

June 17, 2021

*Issue Date:*

May 31, 2023

*Expiration Date:*

July 31, 2025

*Accreditation No.:*

108231

*Certificate No.:*

L23-421

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W. Big Beaver, Suite 1325  
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: [www.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## Medical Murray

400 North Rand Rd, North Barrington, IL 60010  
 Contact Name: Mr. Ken Carlson Phone: 847-847-3700

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical <sup>F</sup>	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Leakage by Pressure Decay	ISO 80369-7 Section 6.1.2 ISO 80369-20 Annex B	N/A
		Positive Pressure Liquid Leakage	ISO 80369-7 Section 6.1.3 ISO 80369-20 Annex C	
		Sub-atmospheric Pressure Air Leakage	ISO 80369-7 Section 6.2 ISO 80369-20 Annex D	
		Stress Cracking	ISO 80369-7 Section 6.3 ISO 80369-20 Annex E	
		Resistance to Separation from Axial Load	ISO 80369-7 Section 6.4 ISO 80369-20 Annex F	
		Resistance to Separation from Unscrewing	ISO 80369-7 Section 6.5 ISO 80369-20 Annex G	
		Resistance to Overriding	ISO 80369-7 Section 6.6 ISO 80369-20 Annex H	
	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Leakage by Pressure Decay	ISO 80369-3 Section 6.1.2 ISO 80369-20 Annex B	
		Positive Pressure Liquid Leakage	ISO 80369-3 Section 6.1.3 ISO 80369-20 Annex C	
		Stress Cracking	ISO 80369-3 Section 6.2 ISO 80369-20 Annex E	
		Resistance to Separation from Axial Load	ISO 80369-3 Section 6.3 ISO 80369-20 Annex F	
		Resistance to Separation from Unscrewing	ISO 80369-3 Section 6.4 ISO 80369-20 Annex G	
		Resistance to Overriding	ISO 80369-3 Section 6.5 ISO 80369-20 Annex H	
		Disconnection by Unscrewing	ISO 80369-3 Section 6.6 ISO 80369-20 Annex I	
	Intravascular Catheters – Sterile and Single-Use Catheters	Corrosion Resistance	ISO 10555-1 Section 4.5 and Annex A	
		Peak Tensile Force	ISO 10555-1 Section 4.6 and Annex B	
		Freedom from Liquid Leakage	ISO 10555-1 Section 4.7.1 and Annex C	
		Freedom from Air Leakage	ISO 10555-1 Section 4.7.2 and Annex D	
		Flowrate	ISO 10555-1 Section 4.9 and Annex E	
		Power Injection	ISO 10555-1 Section 4.10 and Annex F and G	



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Mechanical <sup>F</sup>	Sterile Hypodermic Syringes for Single Use	Dead Space	ISO 7886-1 Section 13.1 and Annex C	N/A
		Freedom from Liquid Leakage	ISO 7886-1 Section 13.2 and Annex D ISO 7886-2 Section 14.2	
		Freedom from Air Leakage	ISO 7886-1 Section 13.2 and Annex B ISO 7886-2 Section 14.2	
	Medical Devices	Radiopacity	ASTM F640	
Dimensional <sup>F</sup>	Small-bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Dimensional Requirements	ISO 80369-7 Section 5 and Annex B	
	Small-bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Dimensional Requirements	ISO 80369-3 Section 5 and Annex B	

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer <sup>F</sup> would mean that the laboratory performs this testing at its fixed location.