



Prince & Izant Co Inc  
 12999 Plaza Drive  
 Cleveland, OH 44130  
 UNITED STATES

NEW VENDOR

Certificate of Analysis
Order No: S156136
Ship Date: 8/19/2021
Customer PO No: VERBAL ERICH
Reference:
Item No: 1011392

**Sold To:**

DENOVO DENTAL  
 5130 COMMERCE DRIVE  
 BALDWIN PARK, CA 91706  
 UNITED STATES

**Ship To:**

DENOVO DENTAL  
 5130 COMMERCE DRIVE  
 BALDWIN PARK, CA 91706  
 UNITED STATES

Internal Lot	Vendor Lot	Vendor Heat	Qty UOM	MFG Date	Exp Date
PI-000137392	49496		3 TO	8/18/21	

Part No	Rev No	Descriptions	Alloy
BAG-7 PASTE		56% SILVER PASTE X 3 OZ SYRINGE	AG56/CU22/ZN17

**Designations Value**

AMS	4763 (Rev B)
ASME	BPVC-Sec II-C SFA-5.8/5.8M - BAg-7
AWS	A5.8:2019 - BAg-7
FEDERAL	QQ-B-654A-NOTICE 1 - BAg-7
UNS	P07563

Quality Measure	Result UOM
Silver	55.88 PCT ✓
Copper	22.16 PCT ✓

Quality Measure	Result UOM
Tin	5.07 PCT ✓
Zinc	16.75 PCT ✓
Cadmium	0.0 PCT ✓

Prepared By: Mark Tallman 

This report represents the actual attributes of the materials furnished and indicates full compliance with all applicable specification and contract requirements.

While in our possession, the material supplied on this purchase order did not come into direct contact with Mercury (Hg)-containing compounds, nor any Mercury-containing devices employing only a single boundary of containment, during our manufacturing, inspection, or test.

The recording of false, fictitious, or fraudulent statements or entries on this document may be punishable as a felony under federal statute.

## The Prince & Izant Company

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## SILVERBRAZE 56 (BAg-7)

### TECHNICAL DATA

<b>NOMINAL COMPOSITION</b>	Silver	56.0% ± 1.0
	Copper	22.0% ± 1.0
	Zinc	17.0% ± 2.0
	Tin	5.0% ± 0.5
	Other Elements Total	0.15% Max
<b>PHYSICAL PROPERTIES</b>	Color	White
	Solidus	1145°F (618°C)
	Liquidus	1205°F (651°C)
	Recommended Brazing Temperature	1255-1305°F (679-707°C)
	Density (Troy oz/in <sup>3</sup> )	4.96
	Specific Gravity	9.42
	Electrical Conductivity (%IACS)	8.32
Electrical Resistivity (Microhm-cm)	20.8	
<b>USES</b>	Silver Braze 56 is a silver-based brazing alloy used for ferrous and non-ferrous alloys in joints requiring a low temperature, cadmium-free alloy, as in food handling equipment.	
<b>BRAZING CHARACTERISTICS</b>	Silver Braze 56 is a low temperature, free-flowing brazing filler metal with a slight tendency to liquate (separation into low and high melting constituents) if heated slowly through its melting range.	
<b>PROPERTIES OF BRAZED JOINTS</b>	The properties of a brazed joint are dependent upon numerous factors including base metal properties, joint design, metallurgical interaction between the base metal and the filler metal. The results listed below were generated from brazed butt joints which were tested under standard room temperature conditions.	
		<b>Tensile Strength (lbs/in<sup>2</sup>)</b>
<b>SPECIFICATIONS</b>	Low Carbon Steel	40,000-50,000
	Copper	25,000-30,000
	Brass	30,000-40,000
	Silver Braze 56 conforms to: Unified Numbering System (UNS) P07563, American Welding Society (AWS) A5.8/A5.8M BAg-7 and Society of Automotive Engineers (SAE) AMS 4763	
<b>AVAILABLE FORMS</b>	Wire, strip, engineered preforms, specialty preforms per customer specification, powder and paste.	

Individuals requiring further information and Engineering Specification Documents may wish to contact the Engineering Society for Advanced Mobility, Land Sea Air and Space, The Society of Automotive Engineers <http://www.sae.org/> (SAE AMS) or The American Welding Society (AWS) <http://aws.org/>

## **NOTE:**

### **DISCLAIMER**

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