

# ISO 11427:2024-04 (E)

## Jewellery and precious metals - Determination of silver - Potentiometry using potassium bromide

---

<b>Contents</b>		<b>Page</b>
	<b>Foreword</b> .....	<b>iv</b>
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>1</b>
<b>4</b>	<b>Principle</b> .....	<b>1</b>
<b>5</b>	<b>Reagents</b> .....	<b>1</b>
<b>6</b>	<b>Apparatus</b> .....	<b>2</b>
<b>7</b>	<b>Sampling</b> .....	<b>2</b>
<b>8</b>	<b>Procedure</b> .....	<b>2</b>
	8.1 Determination of potassium bromide solution factor.....	2
	8.1.1 General.....	2
	8.1.2 Preparation of silver standards.....	2
	8.1.3 Titration of the standard silver solution.....	2
	8.1.4 Calculation of the potassium bromide standard solution factor.....	3
	8.2 Determination.....	3
	8.2.1 Preparation of the sample solution.....	3
	8.2.2 Elimination of palladium.....	3
	8.2.3 Titration of the sample solution.....	3
<b>9</b>	<b>Calculation and expression of results</b> .....	<b>3</b>
	9.1 Calculation.....	3
	9.2 Repeatability.....	4
<b>10</b>	<b>Test report</b> .....	<b>4</b>
	<b>Bibliography</b> .....	<b>5</b>