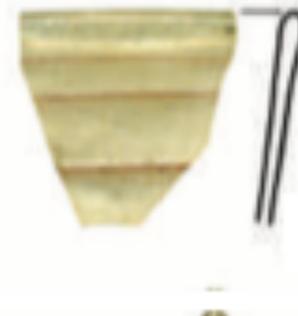
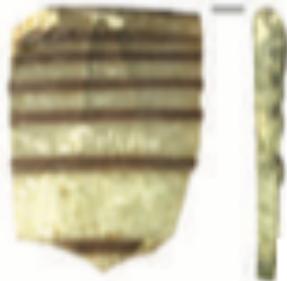
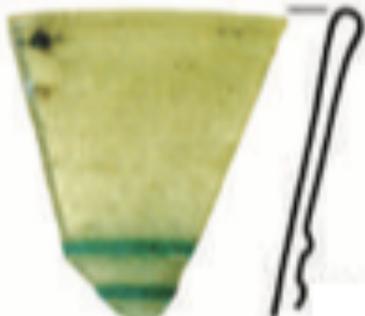
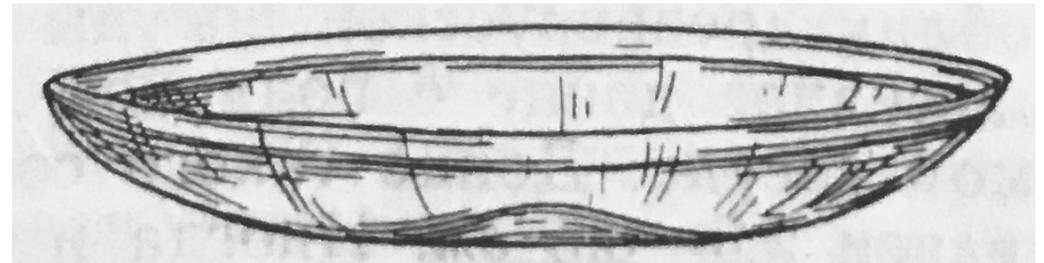
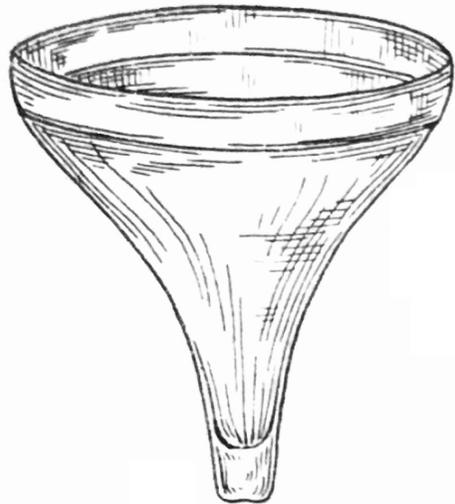


**Лекция 6. История  
стеклоделия в  
IV – XVI вв**

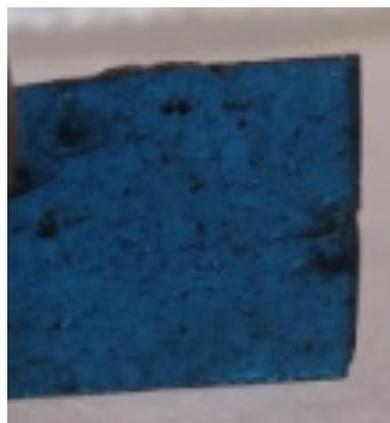




# Формы сосудов и декорирование



# Цветные стекла



2



1

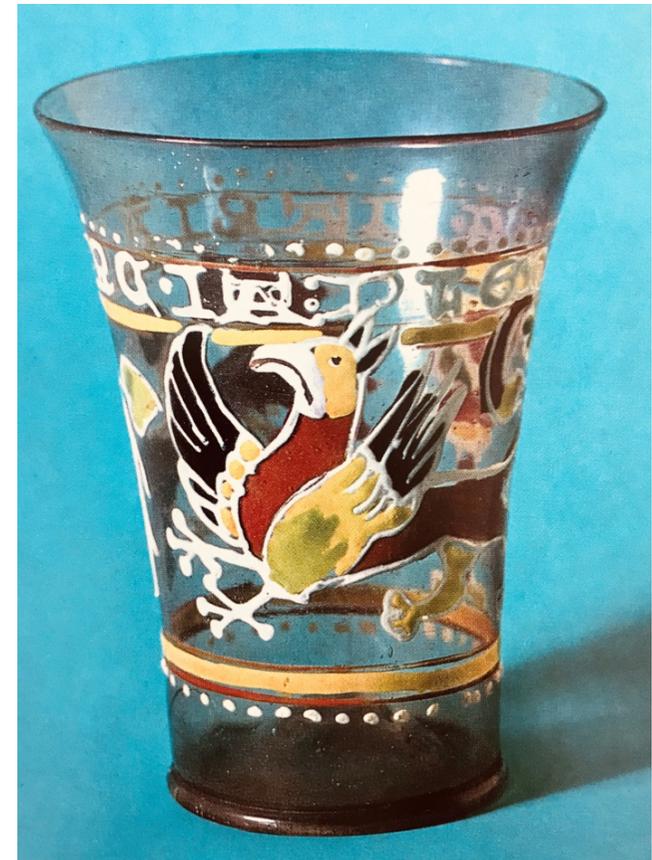


Описание	SiO <sub>2</sub>	PbO	K <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	MnO	CuO
Фрагмент фиолетового сосуда 1	26.4	23.8	1.3	0.7	0.2	0.8	0.04
Фрагмент синего сосуда 2	26.2	21.1	2.0	0.7	0.14	0.17	1.51

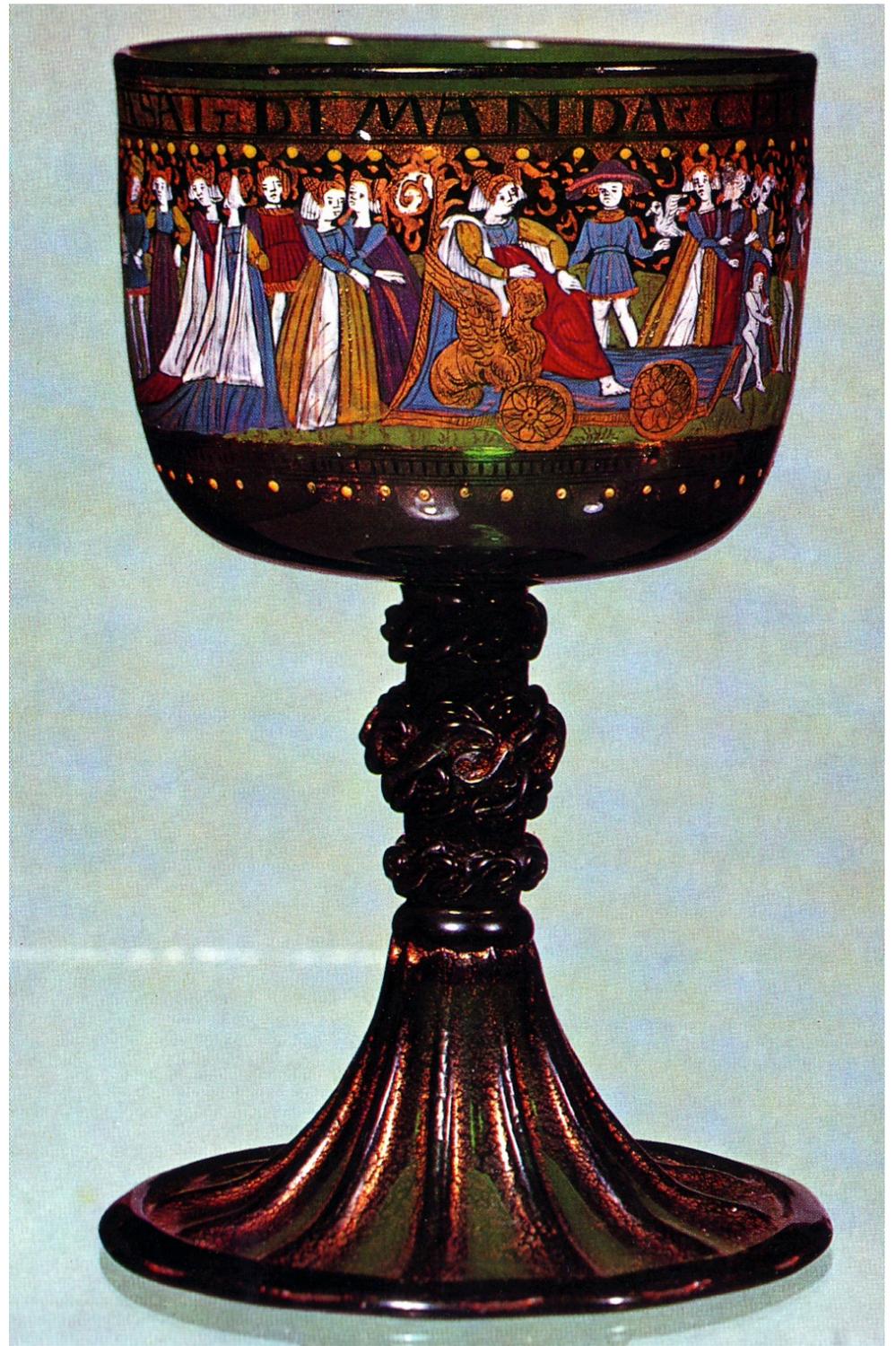
# Браслеты

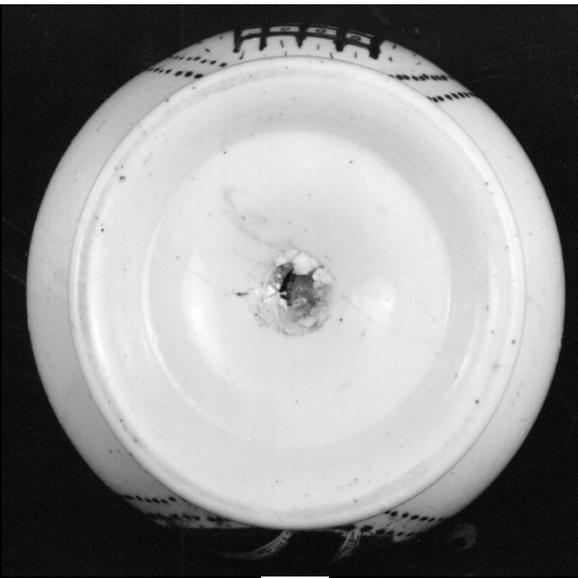












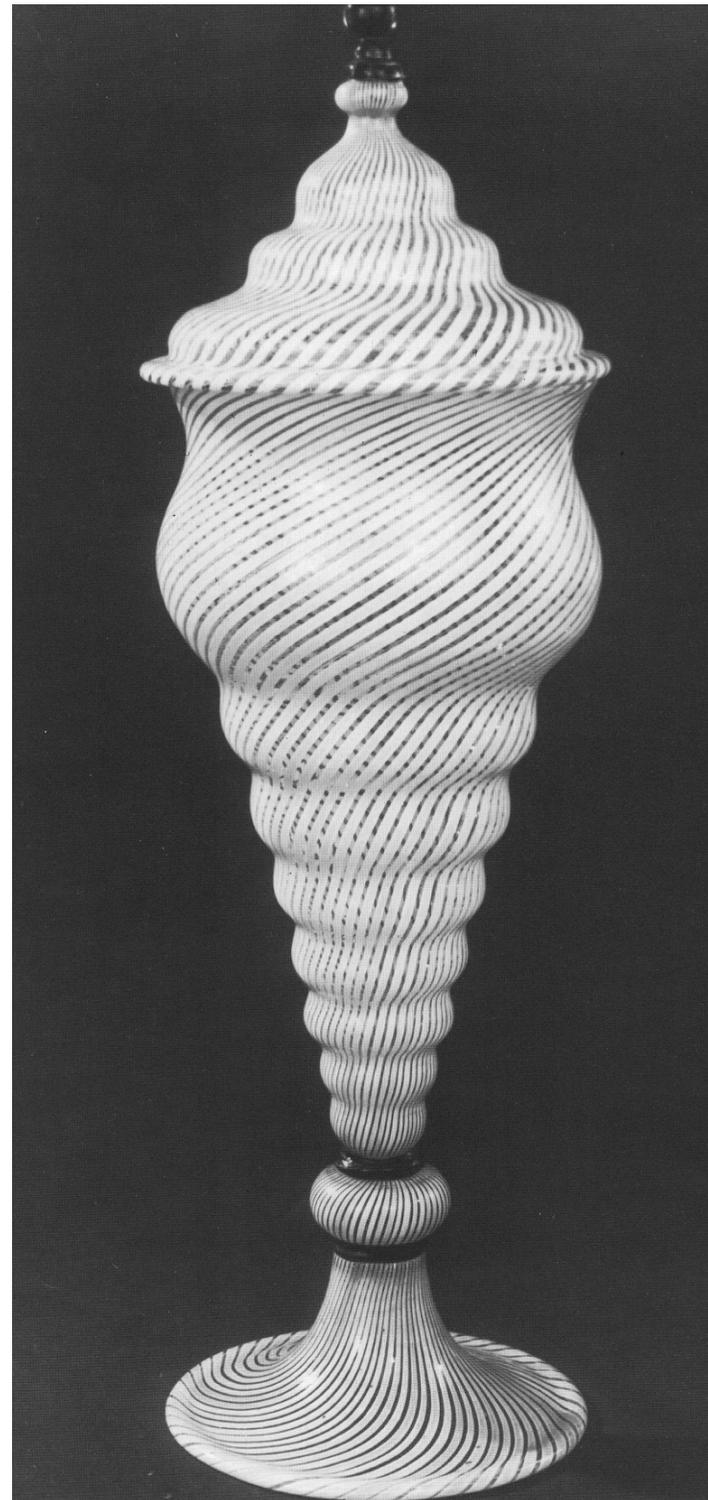
# Бесцветное стекло

- Vitrum comunum
- Vitrum blancum
- Cristallum





**Vetro filigrano a fili**













(reflected light)



(transmitted light)

**DICHROIC GLASS**

Flask, *FAÇON DE VENISE*. Free-BLOWN dichroic glass with pewter mounts

H: 33.5 cm (13<sup>3</sup>/<sub>16</sub> in.),  
W: 22.5 cm (8<sup>7</sup>/<sub>8</sub> in.).  
Possibly France,

1550-1600. JPGM  
84.DK.519.

<b>SiO<sub>2</sub></b>	50,52
<b>Al<sub>2</sub>O<sub>3</sub></b>	1,12
<b>MgO</b>	2,50
<b>CaO</b>	8,53
<b>PbO</b>	11,90
<b>Na<sub>2</sub>O</b>	10,15
<b>K<sub>2</sub>O</b>	2,14
<b>Fe<sub>2</sub>O<sub>3</sub></b>	0,52
<b>TiO<sub>2</sub></b>	0,05
<b>SnO<sub>2</sub></b>	11,41
<b>Sb<sub>2</sub>O<sub>3</sub></b>	0,00
<b>Cl</b>	0,47
<b>P<sub>2</sub>O<sub>5</sub></b>	0,20
<b>CuO</b>	0,03
<b>CoO</b>	
<b>MnO</b>	0,35



# Смальтовые стекла. Anima



SiO <sub>2</sub>	11,87
Al <sub>2</sub> O <sub>3</sub>	0,66
MgO	0,05
CaO	0,07
PbO	58,95
ZnO	13,85
Na <sub>2</sub> O	0,52
K <sub>2</sub> O	0,02
Fe <sub>2</sub> O <sub>3</sub>	2,99
SnO <sub>2</sub>	2,93
Sb <sub>2</sub> O <sub>3</sub>	7,95



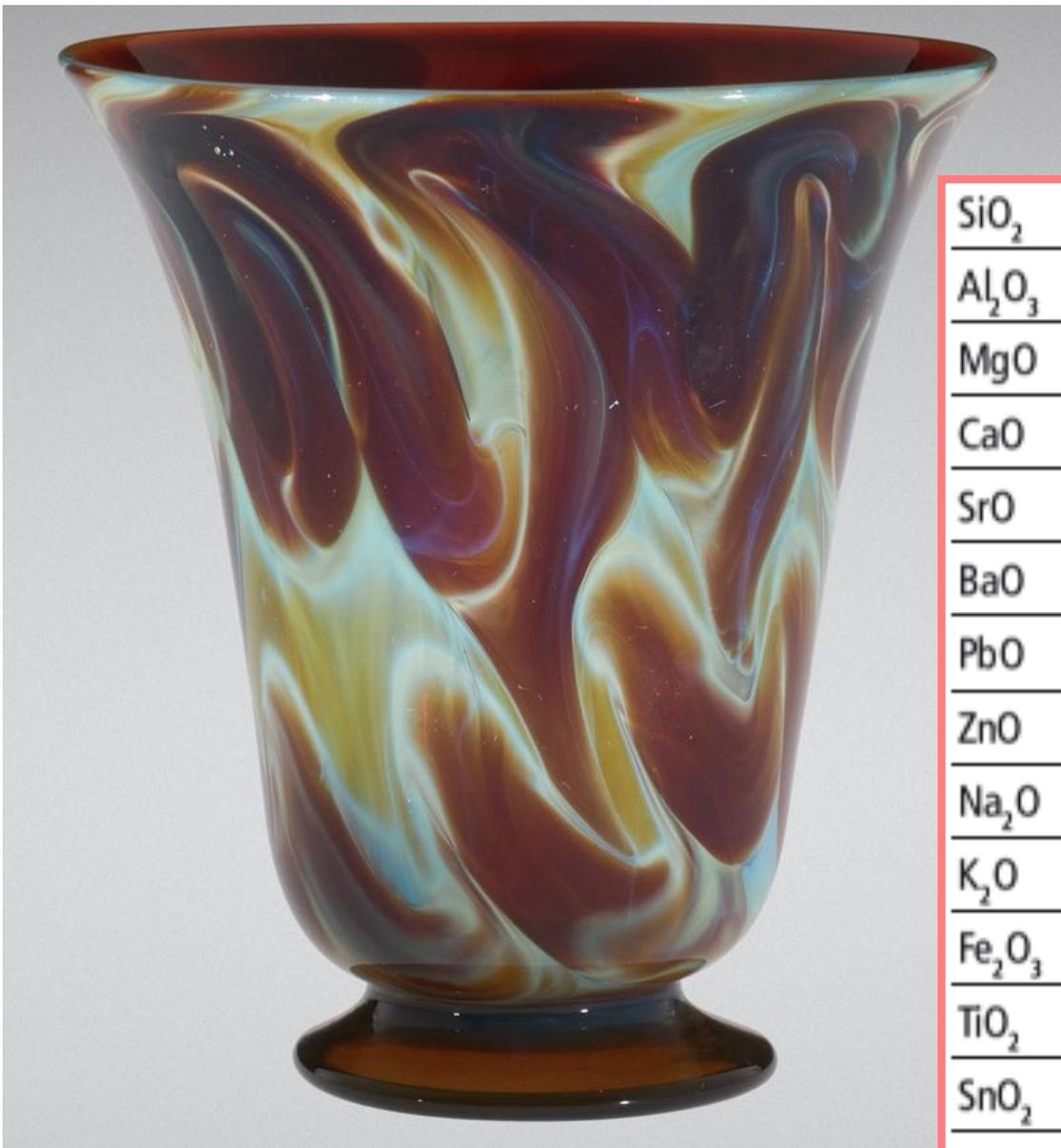
Кристаллы  
PbSnO<sub>3</sub>  
Pb<sub>2</sub>Sb<sub>2</sub>O<sub>7</sub>  
Fe<sub>2</sub>O<sub>3</sub>





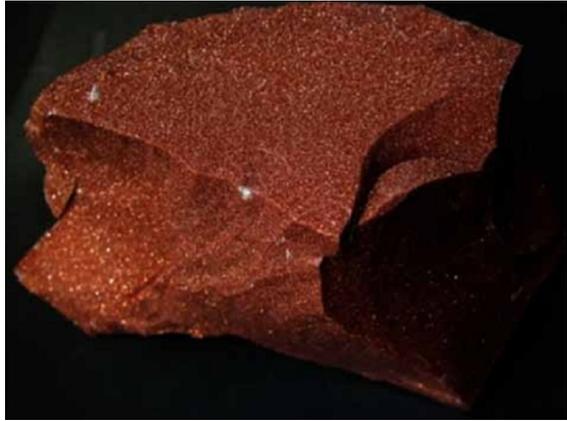
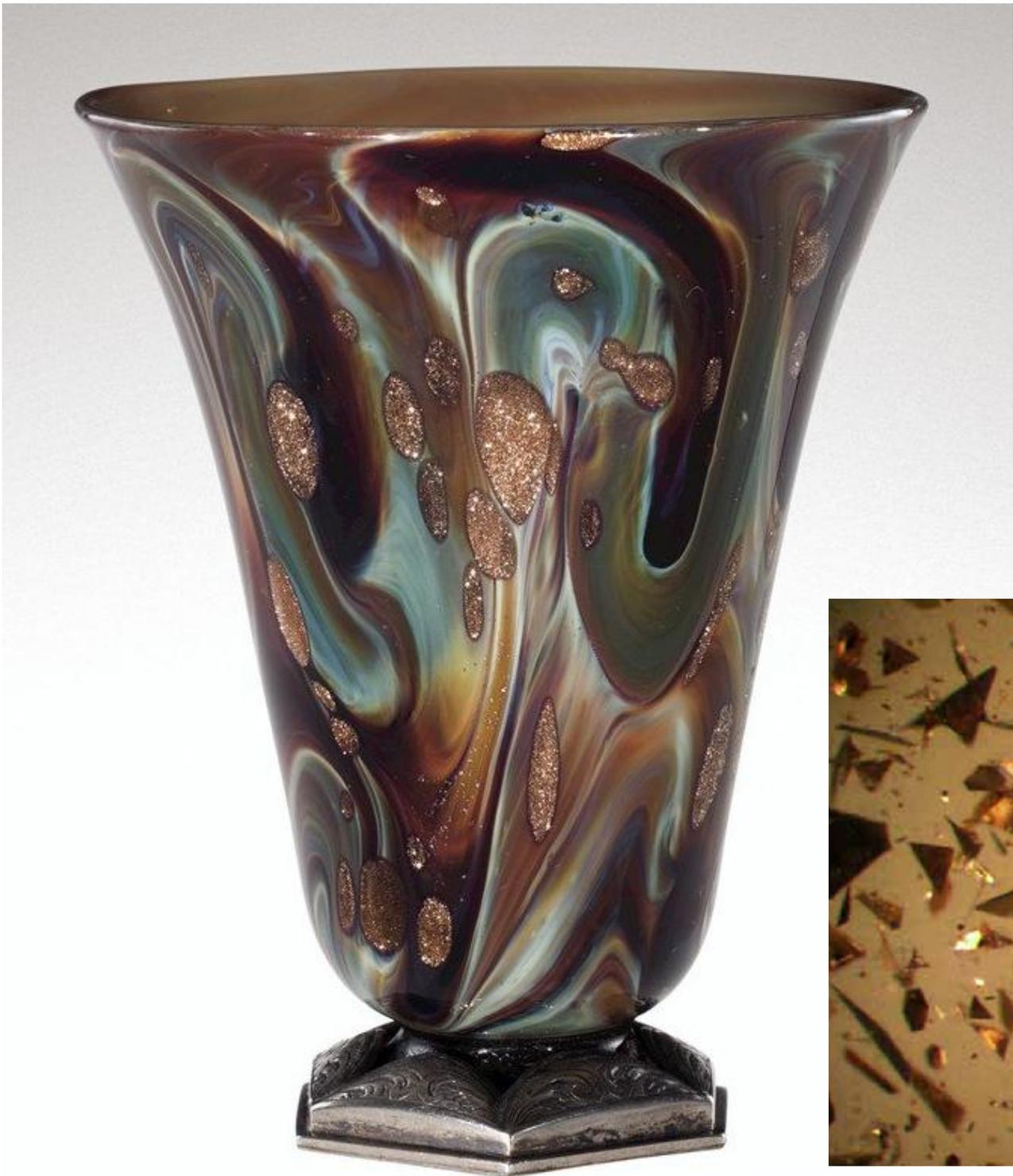
**Girasole**



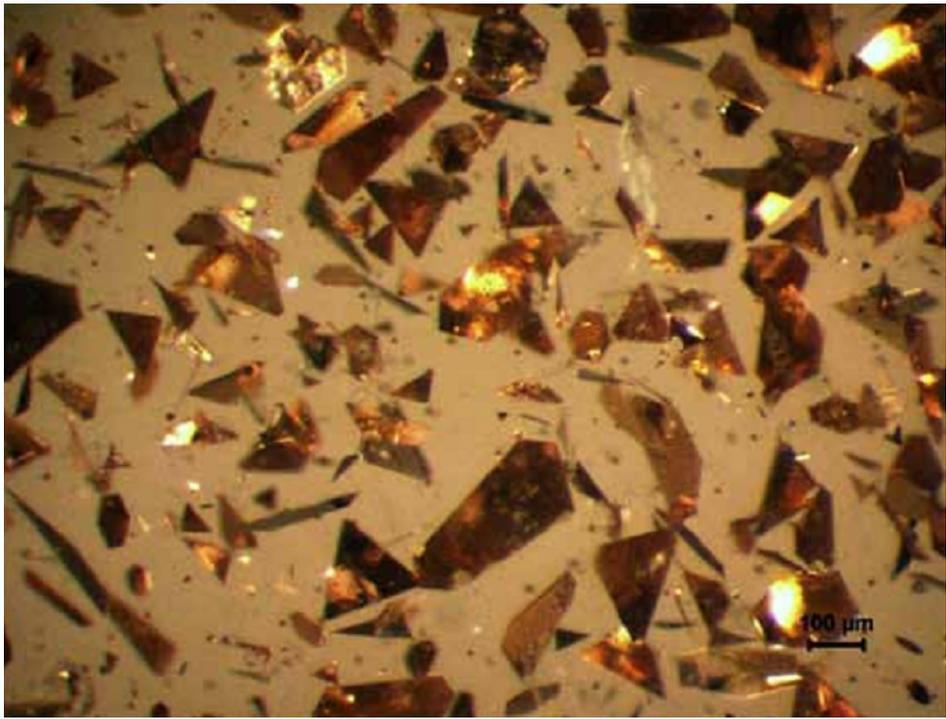


SiO <sub>2</sub>	65,700
Al <sub>2</sub> O <sub>3</sub>	0,760
MgO	1,440
CaO	5,100
SrO	
BaO	0,008
PbO	1,510
ZnO	0,006
Na <sub>2</sub> O	18,000
K <sub>2</sub> O	3,790
Fe <sub>2</sub> O <sub>3</sub>	1,200
TiO <sub>2</sub>	0,037
SnO <sub>2</sub>	0,850
As <sub>2</sub> O <sub>3</sub>	0,003
Sb <sub>2</sub> O <sub>3</sub>	0,003
Cl	0,780





Медный авантюрин





Krautstrunk



Daumenglaser



Stangenglas



# Роспись эмалевыми красками



# Витражные стекла

- Цветные стекла
- Серебряная протрава
- Медный рубин
- Роспись эмалевыми красками, гризайль





