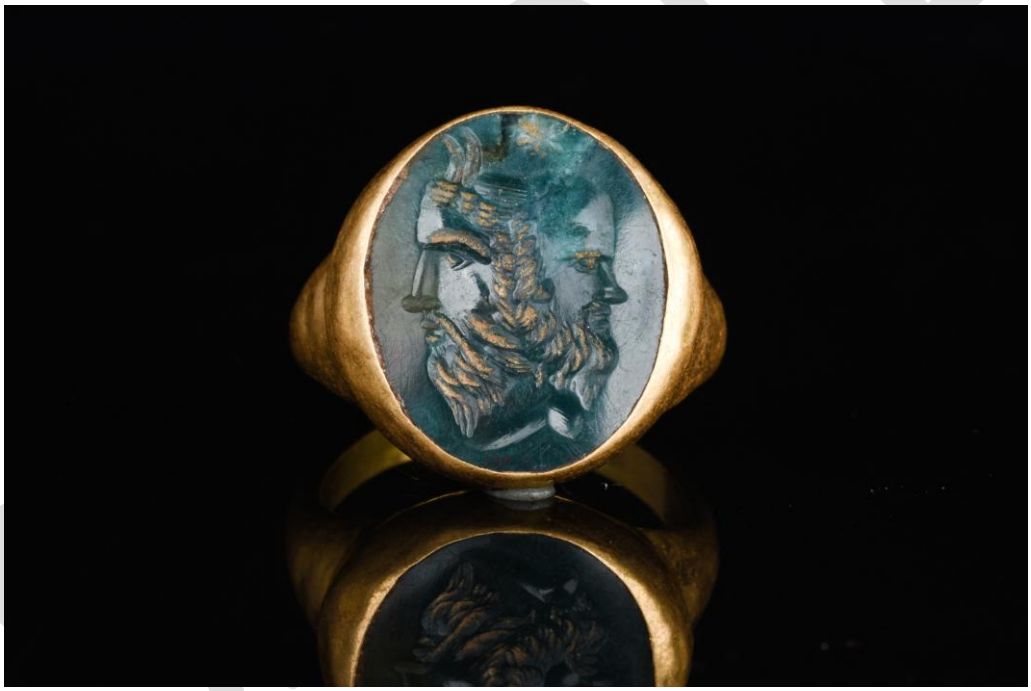
Autonoom analyse-, proef-, en kontrolelaboratorium
HEBOLABO
Holvenstraat, 9 B-3900 Pelt, Belgium
Tel : +32.(0)11.64 93 09
e-mail : hebolabo.serv@gmail.com
VAT : BE0 640 415 180 HRH: 63.072

Analysis report

Pelt, 2020 December 19th Commissioned by

Concerning: **Roman Gold intaglio Ring with Gryllos**
D: 19.61 mm; UK size: T; Weight: 6.31 gr



Measurement system control
Verification analysis by EDXRF (Energy Dispersive X-Ray Fluorescence spectrometry):
System: Innov X alpha 2000A-8248

Verification analyzes vs. References		Fe	Ni	Cu	Zn	Pb	Sn
Reference Claydon standard # 18	Brass	0.14	12.31	58.68	27.50	1.37	
	Meas. Innov X 16.12.2020	0,14	12,29	58,65	27,52	1,35	
Reference Claydon standard # 19	Bronze			93.80	0.40		5.80
	Meas. Innov X 16.12.2020			93,83	0,41		5,83

Analysis by EDXRF (Energy Dispersive X-Ray Fluorescence spectrometry):

Measurement point	Au	Ag	Cu
	%	%	%
Left side	86,3	7,61	6,15
Middle	87,2	6,49	6,35
Right side	86,8	6,81	6,41
Averages	**86,7**	**6,97**	**6,30**

Other elements : <0.1%

Reference:

Publ.
Gold bull.- March 1986, 19(1) p. 24
Byzantine gold coins and jewelry- A study of gold contents, Andrew Oddy & Susan La Niece
Dept. Research laboratory, British Museum, London, United Kingdom
Ref.
Elemental composition of Roman period gold
Au 85 - 90% Ag 7 – 12,5% Cu 1 - 5%
BM: 1923.7-16.

Statement

None of the analyses give rise to a suspicion of forgery or contemporary copy.
This gold alloy with high silver and copper has frequently been used in the Roman period 1st – 3rd century.

This statement is an opinion and therefore gives no right to redress or liability of any kind.

Pelt, 2020 December 19th

RJM. Bové

HEBOLABO

Only a sealed print with an original blind stamp is recognized as a valid and unchanged report.