2023.402 BEGINDATUM: 16-MAR-2023 Conditierapport

Object in rapport opgenomen:	204 a (KN&V)
Kunstenaar / Maker:	Anoniem
Object Naam / Titel:	kelkglas
Periode:	18e eeuw
Datum:	1675 - 1700
Materiaal en techniek:	glas , vrij geblazen , radgravure , appliqueren , metaalbewerkingstechniek (restauratie)
Afmetingenlabel:	algemeen: 24,2 x 12 cm, 346 gram
Creditline intern:	Uit de nalatenschap van Dr. E. van Rijckevorsel, 1928

Aanleiding conditierapport

Project

Rapportnummer

2023.402 ...

Onderzoeker

Mandy Slager

Begindatum

16-03-2023

Master Rapport

Algehele toestand

slecht

Behandeling Prioriteit

behoeft onderzoek

Conserveringsrapport gerelateerde Personen / Instellingen (1)

Rol	Naam tonen als
Rapport opgesteld door	Mandy Slager

CONDITION CHECK

a. material information

a.1 material(s)	* glass * metal (restoration: corrosion of metal: glass induced?)
a.2 manufacturing detail(s)	

b. condition general

b.1 scratch(es) or abrasion	☑	* difficult to notice in current condition of the object
b.2 crack(s)	☐	
b.3 fracture(s)	☑	* object broken in two parts, breakedge not visible: metal collar
b.4 lacuna(e)	☐	
b.5 dust, dirt or stain(s)	☐	
b.6 other	☐	

SYMPTOMS OF ATMOSPHERIC DETERIORATION

c. potential symptoms

c.1 cloudy appearance (flecks or haze)	☐	
c.2 slippery surface	☑	* interior of cuppa slippery, foot bottomside not slippery
c.3 deposit - 1. fingerprint(s)	☐	
c.3 deposit - 2. dust	☐	
c.4 possible colour alteration	☐	
c.5 other	☐	

d. stages of atmospheric deterioration

d.1 deposit - 1. droplets	☑	* see dinolite images
d.1 deposit - 2. crystals	☐	
d.2 crizzling - 1. incipient	☐	
d.2 crizzling - 2. full-blown	☐	
d.2 crizzling - 3. advanced	☑	* cuppa, stem (knobs), foot - flakes come loose both on cuppa and foot
d.2 crizzling - 4. fragmented	☐	

EXAMINATION AND ANALYSIS

e. examination and analysis

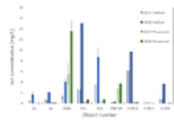
e.1 visual	☑	
e.2 microscopy	☑	* characteristics have been examined with a dinolite, images have been taken
e.3 ultraviolet light	☐	
e.4 ion chromatography	☑	* likely unstable: sampling and IC analysis carried out by G. Verhaar and others on 17-09-2020. S
e.5 x-ray fluorescence	☐	
e.6 fractography	☐	
e.7 other	☐	

IMAGING

f. imaging

f.1 photography	☑
f.2 microscopy	☑
f.3 reflectance transformation	☐
f.4 annotated mapping	☑
f.5 other	☐

Verwante Media kruisverwijzingen - Conserveringsrapporten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Onderzoek


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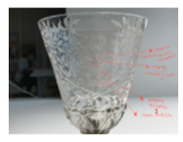
Conditiefoto


CF_204aKNV_25082022
Conditiefoto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Conditiefoto


CF_204a_KNV_annotated
Annotatie


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CF_204aKNV_25082022_1
Conditiefoto


CF_204aKNV_25082022_9
Conditiefoto


CF_204aKNV_25082022_7
Conditiefoto


CF_204aKNV_25082022_8
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CF_204aKNV_25082022_6
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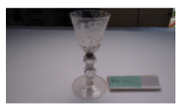
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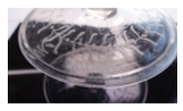
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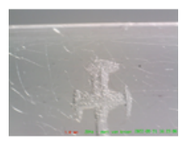
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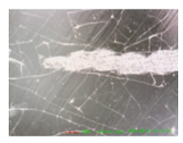
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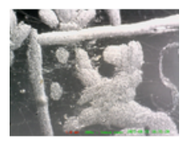
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Conditiefoto

TREATMENT

g. previous treatment

g.1 cleaning	☑	* 2013: demineralized water and ethanol in ratio 4:1
g.2 consolidation or adhesion	☑	* possibly adhered, collar of metal
g.3 filling	☐	
g.4 other	☐	

h. suggestions (preventive) treatment

h.1 handling	☑	* handling instruction: broken parts kept together by metal collar of unknown stability, vulnerab
h.2 support	☑	* stability of crizzled glass parts can not be determined: support recommended in case the situa
h.3 packing/transport	☑	* see h 1 and 2
h.4 numbering	☐	
h.5 climate	☑	* keep up to date with state of the art knowledge on climate control of unstable glass
h.6 monitoring	☑	* condition monitoring recommended * specifically development of micro cracking
h.7 cleaning	☐	
h.8 other treatment	☐	
h.9 mounting/display	☐	
h.10 further research	☑	* fractrographic investigation recommended (pattern and progression) * stability of restoration

COMMENTS

Comments - general

* attempts have been made to study changes in condition by comparing the images taken by the Visual Art Box in 2013 and the current situation in 2022: further development of cracking pattern can not be detemined by these means.
* ion development on the surface is to certain extend comparable to GLP 18: any other similarities (manufacturing, composition etc.)?
* there seems to be a pattern in the micro crack structure: good to research further.

PROJECT

project

P.1049 4. ACTIEF Collectie en Onderzoek