

## Collection chemicals from Inorganic Laboratory University Amsterdam

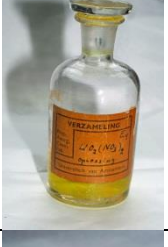


date of newspaper used to wrap samples

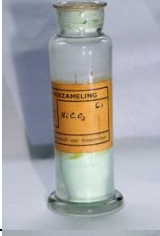
Specimen provided by Eddie Alders (Haarlem) / Renée Hassink (Dordrecht)

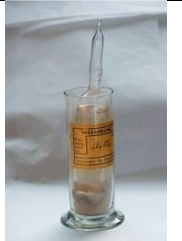
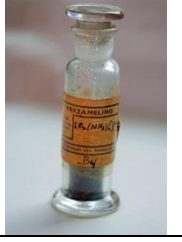
| code   | label text                                                           | comment                                                                                                                                                    | category | type                                           | container            | image                                                                                |  |
|--------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|--|
| UvA001 | JCl.KCl                                                              | KCl.JCl<br>Cremer &<br>Ducan<br>J.Chem.Soc.<br>1931.<br>Pg1863                                                                                             | E3       | Compound                                       | stoppered glass vial |    |  |
| UvA002 | SeCl <sub>4</sub>                                                    | Selenium tetrachloride                                                                                                                                     | E2       | Compound                                       | ampoule              |  |  |
| UvA003 | K <sub>2</sub> TaF <sub>7</sub>                                      | Dipotassium heptafluoridotantalum                                                                                                                          | B2       | Fluoride / Double salt / Coordination compound | stoppered glass vial |  |  |
| UvA004 | Co(NH <sub>3</sub> ) <sub>3</sub> (NO <sub>2</sub> ) <sub>2</sub> Cl | Triamminechloridodinitrocobalt(III)                                                                                                                        | B9       | Coordination compound                          | stoppered glass vial |  |  |
| UvA005 | Na-para-Wolframaat                                                   | Na <sub>6</sub> W <sub>7</sub> O <sub>24</sub> ] = paratungstate A<br>Na <sub>10</sub> H <sub>2</sub> W <sub>12</sub> O <sub>42</sub> ] = paratungstate B) | B5       | Tungstate                                      | stoppered glass vial |  |  |

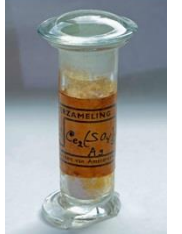
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|--------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|----|-----------------------------------------------|----------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| UvA006 | $\text{AsI}_3$                                                                     | Arsenic triiodide<br>$\text{AsI}_3$<br>Liam Donnelly's solution | D7 | Compound                                      | Stoppered glass vial |    |                                                                                       |
| UvA007 | $\text{Co}[(\text{NH}_3)_5\text{HSO}_4]\text{SO}_4$                                | Pentaamine(hydrogensulfato)cobalt(II) sulfate                   | B8 | Coordination compound                         | Stoppered glass vial |    |                                                                                       |
| UvA008 | $\text{CoCl}_2 \cdot 2\text{C}_6\text{H}_5\text{NH}_2 \cdot 2\text{CH}_3\text{OH}$ | Bis(anilin)dichloridobis(methanol)cobalt(II)                    | B9 | Coordination compound                         | Ampoule              |    |    |
| UvA009 | Na-amalgam 2%                                                                      | 2% Na amalgam is a solid reducing agent                         | A2 | Alloy                                         | Ampoule              |   |   |
| UvA010 | $\text{SnBr}_4 \cdot 2\text{KBr}$                                                  | Potassium hexabromidostannate(IV)                               | D1 | Bromide / Double salt / Coordination compound | Stoppered glass vial |  |                                                                                       |
| UvA011 | $\text{HgSO}_4$ .anhydrous                                                         | Denigé's reagent for tertiary alcohols                          | C7 | Sulfate                                       | Ampoule              |  |  |
| UvA012 | $3\text{HgCl}_2 \cdot 4\text{HCl} \cdot 14\text{aq} - 12\text{aq}$                 |                                                                 | C7 | Compound                                      | Ampoule              |  |  |

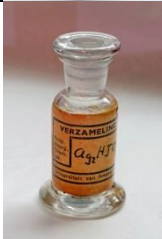
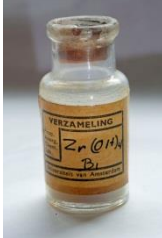
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|--------|------------------------------------------------------------------|-------------------------------------------------|----|-----------------------|-----------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| UvA013 | Electrolytisch koper                                             | Cu copper                                       | -  | Metal / element       | Stoppere d bottle     |    |                                                                                       |
| UvA014 | $\text{Cr}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$<br>groen | Chromium(II) sulfate<br>Tanning agent           | B4 | Sulfate               | Stoppere d bottle     |    |                                                                                       |
| UvA015 | $\{\text{CrAm}_5\text{Cl}\} \cdot \text{Cl}_2$                   | Pentaamminechloridochromium(III) dichloride     | B3 | Coordination compound | Stoppere d glass vial |    |                                                                                       |
| UvA016 | $\text{CuCl}_2 \cdot \text{NH}_4\text{Cl}$                       | Ammonium trichloridocuprate(II)                 | C5 | Chloride/ Double Salt | Stoppere d bottle     |   |                                                                                       |
| UvA017 | $\text{UO}_2(\text{NO}_3)_2$<br>oplossing                        | Uranyl nitrate                                  | E4 | Nitrate               | Stoppere d bottle     |  |                                                                                       |
| UvA018 | $\text{Mo}_3\text{O}_8$                                          | Trimolybdenum octaoxide<br>Catalyst application | B5 | Oxide                 | Ampoule               |  |  |
| UvA019 | $\text{SnCl}_4 \cdot 2\text{NOCl}$                               | Bis(nitrosyl) hexachlorostannate                | D3 | Compound              | Ampoule               |  |  |

|        |                                                      |                                              |    |                                |                       |                                                                                      |  |
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| UvA020 | $\text{NiSO}_4 \cdot \text{MgSO}_4 \cdot 7\text{aq}$ |                                              | C1 | Sulfate / Double salt          | Stoppere d glass vial |    |  |
| UvA021 | Ceri-Hydroxyde<br>$\text{Ce}(\text{OH})_4$           | Cerium(IV) hydroxide                         | -  | Hydroxide / Colloidal solution | Stoppere d bottle     |    |  |
| UvA022 | $\text{PbCl}_2$                                      | Lead(II) chloride                            | D2 | Chloride                       | Stoppere d glass vial |    |  |
| UvA023 | $\text{HgS}$                                         | Cinnabar<br>Red pigment                      | C7 | Sulfide                        | Stoppere d glass vial |   |  |
| UvA024 | $\text{SrCO}_3$                                      | Strontium carbonate<br>colorant in fireworks | A7 | Carbonate                      | Stoppere d glass vial |  |  |
| UvA025 | $\text{HgCr}_2\text{O}_7 \cdot \text{KCl}$           |                                              | B3 | Compound                       | Stoppere d glass vial |  |  |
| UvA026 | $\text{MnSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4$     |                                              | B6 | Sulfate / Double salt          | Stoppere d glass vial |  |  |

|        |                                                              |                                                        |    |                       |                      |                                                                                      |  |
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| UvA027 | $\text{NiSO}_4 \cdot \text{K}_2\text{SO}_4 \cdot 6\text{aq}$ |                                                        | C1 | Sulfate / Double salt | Stoppered glass vial |    |  |
| UvA028 | $\text{AsBr}_3$                                              | Arsenic tribromide                                     | D6 | Compound              | Stoppered glass vial |    |  |
| UvA029 | $\text{ZrOCl}_2 \cdot 8\text{H}_2\text{O}$                   | Zirconyl chloride                                      | B1 | Chloride              | Stoppered bottle     |    |  |
| UvA030 | $\{\text{Co}(\text{CN})_6\}\text{K}_3$                       | Tripotassium hexakis(cyano) cobaltate(III)             | B9 | Coordination compound | Stoppered glass vial |   |  |
| UvA031 | $\text{NiCO}_3$                                              | Nickel(II) carbonate                                   | C1 | Carbonate             | Stoppered glass vial |  |  |
| UvA032 | Nikkel puimsteen                                             | Raney nikkel???                                        | C1 | Metal / element ???   | Stoppered glass vial |  |  |
| UvA033 | Chroomijzersteen                                             | $\text{FeCr}_2\text{O}_4$ Spinel type mineral chromite | B4 | Chromite              | Stoppered glass vial |  |  |

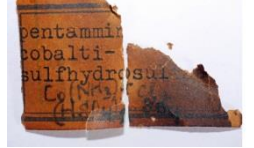
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| UvA034 | $\text{Ni}(\text{NO}_3)_2 \cdot 6\text{aq}$ | Nickel(II) nitrate                                                                            | C1 | Nitrate               | Stoppered glass vial |    |                                                                                       |
| UvA035 | $\text{HgI}_2 \cdot 2\text{CuI}$            | Cuprous mercuric iodide<br>Indicator for overheating machine parts                            | C7 | Iodide / Double salt  | Stoppered glass vial |    |                                                                                       |
| UvA036 | $\text{SbCl}_5$                             | Antimony pentachloride<br>colourless oil, but typical samples are yellowish due to impurities | D8 | Compound              | Ampoule              |    |    |
| UvA037 | Thallium                                    | Th                                                                                            | C8 | Element               | Bottle with cork     |   |                                                                                       |
| UvA038 | $\text{AsCl}_3$                             | Arsenic trichloride<br>colourless oil, but typical samples are yellowish due to impurities    | D6 | Compound              | Ampoule              |  |  |
| UvA039 | Cu-hyponitriet                              | $\text{Cu}(\text{II})\text{N}_2\text{O}_2$                                                    | C3 | Nitrite               | Stoppered glass vial |  |                                                                                       |
| UvA040 | $[\text{Cr}(\text{NH}_3)_6](\text{NO}_3)_3$ | Hexaamminechromium(III) nitrate                                                               | B4 | Coordination compound | Stoppered glass vial |  |                                                                                       |

|        |                                                               |                                                                       |    |                       |                      |                                                                                      |  |
|--------|---------------------------------------------------------------|-----------------------------------------------------------------------|----|-----------------------|----------------------|--------------------------------------------------------------------------------------|--|
| UvA041 | $\{\text{NiAm}_6\}\text{Cl}_2$                                | Hexaamminenickel(II) chloride                                         | C1 | Coordination compound | Stoppered glass vial |    |  |
| UvA042 | $\text{Ce}_2(\text{SO}_4)_3$                                  | Cerium(III) sulfate / Cerous sulfate                                  | A2 | Sulfate               | Stoppered glass vial |    |  |
| UvA043 | $[\text{Co}(\text{NH}_3)_4(\text{NO}_2)_2]\text{Cl}$          | Tetraamminedinitrocobalt(III) chloride<br>(indien aan N, dan "nitro") | B9 | Coordination compound | Stoppered glass vial |    |  |
| UvA044 | $[\text{Co}(\text{en})_3]\text{Br}_3$                         | Tris(diaminoethane)cobalt(III) bromide                                | B9 | Coordination compound | Stoppered glass vial |   |  |
| UvA045 | $[\text{Co}(\text{NH}_3)_5\text{H}_2\text{O}](\text{NO}_3)_3$ | Pentaammineaquacobalt(III) nitrate                                    | B8 | Coordination compound | Stoppered glass vial |  |  |
| UvA046 | Gallium                                                       |                                                                       | C8 | Metal / element       | Stoppered glass vial |  |  |
| UvA047 | Chromium                                                      |                                                                       | B2 | Metal / element       | Stoppered glass vial |  |  |

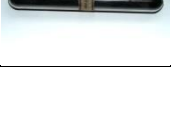
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|--------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----|-----------------------|-----------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| UvA048 | Ag-spiegel                                |                                                                                                                                 | C5 | Metal / element       | Ampoule               |    |  |
| UvA049 | Ag <sub>2</sub> HJO <sub>5</sub>          | Di-Argento hydrogen Meso-periodate                                                                                              | C5 | Iodate                | Stoppere d glass vial |    |                                                                                     |
| UvA050 | CrN                                       | Chromium nitride                                                                                                                | B4 | Nitride               | Bottle with cork      |    |                                                                                     |
| UvA051 | Acetyleen Kwik                            | Acetylene-mercury(1+) dichloride<br>C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> Hg <sub>2</sub><br>????<br>Kan explosief zijn | C7 | Compound              | Stoppere d glass vial |   |                                                                                     |
| UvA052 | Zr(OH) <sub>4</sub>                       | Zirconium (IV) hydroxide / hydrous zirconia                                                                                     | B1 | Hydroxide             | Bottle with cork      |  |                                                                                     |
| UvA053 | Bi-metaal                                 | Bismuth                                                                                                                         | D8 | Metal / element       | Bottle with cork      |  |                                                                                     |
| UvA054 | Trinitrato-diamino-cobaltnitraat<br>????? | Nitrate (nitrate) = O-NO <sub>2</sub> <sup>-</sup>                                                                              | B8 | Coordination compound | Stoppere d bottle     |  |                                                                                     |



|        |                                                              |                                                  |    |                       |                       |                                                                                      |                                                                                                                                                                                                      |
|--------|--------------------------------------------------------------|--------------------------------------------------|----|-----------------------|-----------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UvA055 | $\text{AgIO}_4$                                              | Silver(1+) periodate                             | C5 | Iodate                | Ampoule               |    |                                                                                                                   |
| UvA056 | Molybdeen draad                                              | Mo                                               | B4 | Metal / element       | cylinder with cork    |    |                                                                                                                   |
| UvA057 | $\text{AgIO}_4 \cdot \text{H}_2\text{O}$                     | Silver(1+) periodate.1a q                        | C5 | Iodate                | Ampoule               |    |                                                                                                                   |
| UvA058 | $\text{MnSO}_4 \cdot \text{K}_2\text{SO}_4 \cdot 6\text{aq}$ |                                                  | B6 | Sulfate / Double salt | Stoppere d glass vial |   | Present to Peter van der Heide / grandgrandson of Jochum Kornelius van der Heide( thesis "De dubbelzouten van kalium- en magnesiumsulfaat: Schöniet en Kaliumastrakaniet" promotor J.H. van 't Hoff) |
| UvA059 | $\text{HgS}$                                                 | black metacinnabar ( $\beta$ - $\text{HgS}$ )    | C7 | Sulfide               | Stoppere d glass vial |  |                                                                                                                                                                                                      |
| UvA060 | $\text{HgNO}_3 \cdot 1\text{aq}$                             | Mercury(I) nitrate                               | C7 | Nitrate               | Stoppere d glass vial |  |                                                                                                                                                                                                      |
| UvA061 | $\text{AgMnO}_4$                                             | Silver permanganate<br>Oppassen, best gevaarlijk | C5 | Manganate             | Stoppere d glass vial |  |                                                                                                                                                                                                      |

|        |                                             |                                                                                                          |    |                                 |                       |                                                                                      |                                                                                       |
|--------|---------------------------------------------|----------------------------------------------------------------------------------------------------------|----|---------------------------------|-----------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| UvA062 | Ag-hyponitriet                              | Silver(I) hyponitrite<br>$\text{Ag}_2\text{N}_2\text{O}_2$ / $(\text{Ag}^+)_2[\text{ON}=\text{NO}]^{2-}$ | C5 | Nitrite                         | Stoppere d glass vial |    |                                                                                       |
| UvA063 | $\text{Co}(\text{NO}_3)_2 \cdot 6\text{aq}$ | Hexaaquacobalt(II) nitrate                                                                               | B9 | Nitrate / Coordination compound | Stoppere d glass vial |    |                                                                                       |
| UvA064 | $\alpha\text{-Se}$                          | $\alpha$ -Selenium                                                                                       | E2 | Element                         | Stoppere d glass vial |    |                                                                                       |
| UvA065 | $\text{K}_2\text{Cr}_2\text{O}_7$           | Potassium trichromate                                                                                    | B2 | Chromate                        | Stoppere d glass vial |   |                                                                                       |
| UvA066 | $\text{Ag}_2\text{SiO}_3$                   | Didymium-mixture of neodymium and praseodymium discovered by Carl Mosander                               | A9 | Sulfate / Double salt           | Ampoule               |  |  |
| UvA067 | Pentammino cobalti-sulfhydro<br>?? ?????    | $\text{Co}(\text{NH}_3)_5$<br>Label damaged                                                              |    | Coordination compound           | Stoppere d bottle     |  |  |
| UvA068 | Vanadium trichloratum $\text{VCl}_3$        | Vanadium(III) chloride                                                                                   | -  | Chloride                        | Stoppere d bottle     |  |                                                                                       |

|        |                                                                 |                                                                                            |    |                       |                      |                                                                                      |  |
|--------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|----|-----------------------|----------------------|--------------------------------------------------------------------------------------|--|
| UvA069 | ??                                                              | Label missing                                                                              |    |                       | Bottle with cork     |    |  |
| UvA070 | $\text{NiSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4$                | blue-coloured solid is analogous to Mohr's salt                                            | C1 | Sulfate / Double salt | Glass vial with cork |    |  |
| UvA071 | $(\text{NH}_3)_5\text{Co-O-O-Co}(\text{NH}_3)_5(\text{NO}_3)_4$ | $\mu$ -peroxido-bis[pentaamminecobalt(II)] tetranitrate / Multi nuclear complex of Co (II) | B7 | Coordination compound | Stoppered glass vial |    |  |
| UvA072 | Na-phosphor wolframaat                                          | ??                                                                                         | B5 | Tungstate             | Stoppered glass vial |   |  |
| UvA073 | Erbiumnitraat                                                   | Erbium(III) nitrate                                                                        | A9 | Nitrate               | Stoppered bottle     |  |  |
| UvA074 | Overview tray                                                   |                                                                                            |    | Elements              | Ampoule / tray       |  |  |
| UvA075 | Antimon                                                         | Sb                                                                                         |    | Element               | Ampoule / tray       |  |  |
| UvA076 | Arsen                                                           | As                                                                                         |    | Element               | Ampoule / tray       |  |  |
| UvA077 | Blei                                                            | Pb                                                                                         |    | Metal / element       | Ampoule / tray       |  |  |
| UvA078 | Brom                                                            | $\text{Br}_2$ Bromine                                                                      |    | Element               | Ampoule / tray       |  |  |

|        |                       |                       |  |                 |                |                                                                                      |  |
|--------|-----------------------|-----------------------|--|-----------------|----------------|--------------------------------------------------------------------------------------|--|
| UvA079 | Cadmium               | Cd                    |  | Metal / element | Ampoule / tray |    |  |
| UvA080 | Jod                   | I <sub>2</sub> Iodine |  | Element         | Ampoule / tray |    |  |
| UvA081 | Kalium                | K                     |  | Metal / element | Ampoule / tray |    |  |
| UvA082 | Kohlenstoff (graphit) | C (graphite)          |  | Element         | Ampoule / tray |    |  |
| UvA083 | Natrium               | Na                    |  | Metal / element | Ampoule / tray |    |  |
| UvA084 | Phosphor              | P                     |  | Element         | Ampoule / tray |    |  |
| UvA085 | Schwefel              | S                     |  | Element         | Ampoule / tray |   |  |
| UvA086 | Wismuth               | Bi Bismuth            |  | Metal / element | Ampoule / tray |  |  |
| UvA087 | Wolfram               | W                     |  | Metal / element | Ampoule / tray |  |  |

|        |               |                                                      |    |           |                            |                                                                                      |  |
|--------|---------------|------------------------------------------------------|----|-----------|----------------------------|--------------------------------------------------------------------------------------|--|
| UvA101 | Overview tray |                                                      |    |           | Ampoule / tray             |  |  |
| UvA102 | Sauerstoff    | O <sub>2</sub> Oxygen                                |    | Element   | Ampoule / tray             |  |  |
| UvA103 | Telluur       | Te Tellurium                                         | E2 | Element   | Tube with cork / tray      |  |  |
| UvA104 | P-Wolframzuur | hydrated forms of tungsten trioxide, WO <sub>3</sub> | B5 | Tungstate | Tube with metal cap / tray |  |  |

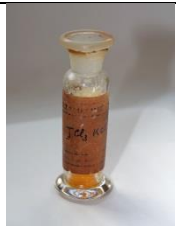
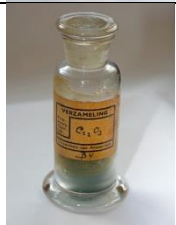
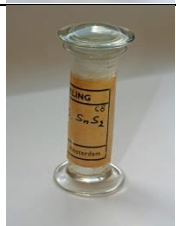
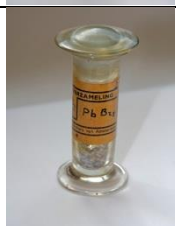
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| UvA105 | $\text{SeCl}_4 \cdot \text{PCl}_5$            |                                                                                                   | E2 | Compound        | Ampoule / tray                       |    |  |
| UvA106 | ??                                            | Label missing                                                                                     |    | Liquid          | Ampoule / tray                       |    |  |
| UvA107 | $\text{Mo}_3\text{O}_8$                       | Trimolybdenum octaoxide<br>Catalyst application                                                   | B5 | Oxide           | Ampoule / tray                       |    |  |
| UvA108 | Molybdeen poeder                              | Mo                                                                                                | B4 | Metal / element | Tube with metal cap / tray           |    |  |
| UvA109 | $??(\text{H}_2\text{O})_2 \cdot 3\text{aq}$   | Label damaged                                                                                     |    |                 | Tube with cork / tray                |    |  |
| UvA110 | $\text{MoO}_2\text{Cl}_2 \cdot \text{MoCl}_5$ |                                                                                                   | B5 | Chloride        | Ampoule / tray                       |    |  |
| UvA111 | Wolfram staaf                                 | W tungsten / wolfram                                                                              | B5 | Metal / element | Tube with cork / tray                |   |  |
| UvA112 | Institute de Chimie / Chimie generale         | Text unreadable                                                                                   |    |                 | Tube closed with plastic foil / tray |  |  |
| UvA113 | $\text{HgI}_2$<br>Rood<126>geel               | Mercury(II) iodide thermochromism; above 126 °C red alpha form transfers to pale yellow beta form | C7 | Iodide          | Ampoule / tray                       |  |  |
| UvA114 | ??                                            | Text missing                                                                                      |    | Gas             | Ampoule / tray                       |  |  |
| UvA115 | Colloïdal zilver met protalbinezuur           | <a href="#">Protalbinezuur</a> stabilized colloidal Ag<br>Hydrogenation fat                       | C5 | Metal           | Tube with cork / tray                |  |  |
| UvA116 | ???                                           | Text missing                                                                                      |    | Gas             | Ampoule / tray                       |  |  |

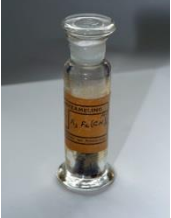
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| UvA117 | $\text{CuCrO}_4$                                     | Cupric chromate                                                         |    | Chromate               | Stoppered glass vial |    |  |
| UvA118 | Seleen amorf                                         | Se Selenium                                                             | E2 | Element                | Stoppered glass vial |    |  |
| UvA119 | $\text{Cu}_2\text{O}$                                | Copper(I) oxide / cuprous oxide                                         | C4 | Oxide                  | Stoppered glass vial |    |  |
| UvA120 | $\text{NiSO}_4 \cdot \text{ZnSO}_4 \cdot 7\text{aq}$ |                                                                         | C1 | Sulfate / Double salt  | Stoppered glass vial |   |  |
| UvA121 | $\text{SbI}_3$                                       | Antimony triiodide                                                      | D7 | Compound               | Stoppered glass vial |  |  |
| UvA122 | As                                                   | Arsenic                                                                 | D5 | Element                | Stoppered glass vial |  |  |
| UvA123 | $\text{KCuCl}_3$                                     | Potassium trichloridocuprate(II)                                        | D5 | Chloride / Double salt | Stoppered glass vial |  |  |
| UvA124 | $\{\text{CrAm}_2(\text{CNS})_4\}\text{NH}_4$         | Ammonium diamminetetraakis(isothiocyanato)chromium(III) / Reinecke salt | B3 | Coordination compound  | Stoppered glass vial |  |  |

|        |                                                         |                                                                             |    |                                                |                       |                                                                                      |  |
|--------|---------------------------------------------------------|-----------------------------------------------------------------------------|----|------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------|--|
| UvA125 | $\text{Hg}_2\text{Cl}_2$                                | Mercury(II) chloride / mercuric chloride historically "corrosive sublimate" | C8 | Chloride                                       | Stoppere d glass vial |    |  |
| UvA126 | $\text{Sr}(\text{OH})_2$                                | Strontium hydroxide                                                         | A4 | Hydroxide                                      | Stoppere d glass vial |    |  |
| UvA127 | $\text{K}_2\text{TiF}_6$                                | Dipotassium hexafluorido titanium OF Dikalium hexafluorido titaan           | B1 | Fluoride / Double salt / Coordination compound | Stoppere d glass vial |    |  |
| UvA128 | $\text{HgJ}_2 \cdot 2\text{CuJ}$                        |                                                                             | C7 | Iodide / Double salt                           | Stoppere d glass vial |   |  |
| UvA129 | $\text{Ce}(\text{NO}_3)_4 \cdot \text{NH}_4\text{NO}_2$ | Cerium(IV) nitrates.am monium nitrite                                       | A9 | Compound                                       | Stoppere d glass vial |  |  |
| UvA130 | TI-pikraat                                              | Thallium(I) picrate                                                         | C8 | Salt                                           | Stoppere d glass vial |  |  |
| UvA131 | $\text{K}_2\text{ZrF}_6$                                | Potassium hexafluorozi rconate                                              | B1 | Fluoride / Double salt                         | Stoppere d glass vial |  |  |
| UvA132 | Molybdeen glans                                         | Molybdeniet / $\text{MoS}_2$                                                | B5 | Sulfide                                        | Stoppere d glass vial |  |  |

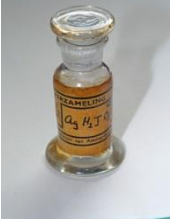
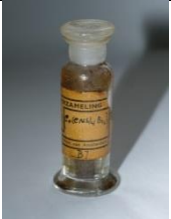
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| UvA133 | $\text{HgBr}_2 \cdot \text{KBr} \cdot 1\text{aq}$         |                                                                               | C8 | Bromide / Double salt                            | Stoppere d glass vial |    |  |
| UvA134 | $\{\text{Co}(\text{NH}_3)_4(\text{NO}_2)_2\} \text{NO}_3$ | Tetraammin edinitrocoba lt(III) nitrate<br><br>nitrito indien via de N aan Co | B9 | Coordion ation compound                          | Stoppere d glass vial |    |  |
| UvA135 | $(\text{CuAm}_4)\text{Cl}_2 \cdot \text{H}_2\text{O}$     | Tetraammin ecopper(II) dichloride monohydrate                                 | C3 | Coordion ation compound                          | Stoppere d glass vial |    |  |
| UvA136 | $\{\text{NiAm}_6\}\text{Br}_2$                            | Hexaammin enickel(II) bromide                                                 | C2 | Coordion ation compound                          | Stoppere d glass vial |   |  |
| UvA137 | $\{\text{Co}(\text{NO}_2)_6\}\text{Na}_3$                 | sodium hexanitrocoba ltate(III)                                               | B8 | Nitrite / Double salt / Coordion ation compound  | Stoppere d glass vial |  |  |
| UvA138 | Bi-poeder                                                 | Bismuth                                                                       | D8 | Metal / element                                  | Stoppere d glass vial |  |  |
| UvA139 | $\text{K}_2\text{PtCl}_6$                                 | Potassium hexachloroplatinate                                                 | C2 | Chloride / Double salt                           | Stoppere d glass vial |  |  |
| UvA140 | $\{\text{CrF}_6\}\text{K}_3$                              | Potassium hexafluoridochromate(III)                                           | B3 | Fluoride / Double salt / Coordion ation compound | Stoppere d glass vial |  |  |

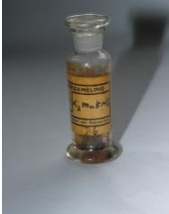
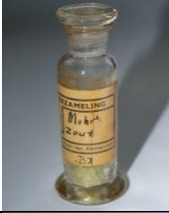


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| UvA141 | $\text{JCl}_3 \cdot \text{KCl}$                               | Potassium tetrachlorid iodate(III)                               | E3 | Compound              | Stoppered glass vial |    |                                                     |
| UvA142 | $\text{Cr}_2\text{O}_3$                                       | Chromium(II) oxide chromia pigment viridian                      | B4 | Oxide                 | Stoppered glass vial |    |                                                     |
| UvA143 | $2\text{TIS} \cdot \text{SnS}_2$                              | Dithallium(II) tin(IV) sulfide                                   | C8 | Sulfide / Double salt | Stoppered glass vial |    |                                                     |
| UvA144 | $\text{CdCl}_2$                                               | Cadmium dichloride                                               | C6 | Chloride              | Stoppered glass vial |   |                                                     |
| UvA145 | $\text{PbBr}_2$                                               | Lead(II) bromide                                                 | D3 | Bromide               | Stoppered glass vial |  |                                                     |
| UvA146 | $\text{Ag}_4\text{J}_2\text{O}_9$                             | Silver dimeso periodate                                          | C5 | Iodate                | Stoppered glass vial |  |                                                     |
| UvA147 | $\text{K}_3\{\text{Cr}/\text{C}_2\text{O}_4\}_{\text{trans}}$ | Label damaged (trans-potassium dioxalotodia quachromat e(III)??) |    | Coordination compound | Stoppered glass vial |  | See also UvA185 + UvA210<br>For trans and cis forms |
| UvA148 | $\text{Ag}_2\text{SO}_4$                                      | Silver sulfate                                                   | C5 | Sulfate               | Stoppered glass vial |  |                                                     |

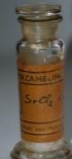
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| UvA149 | $\text{CeCl}_3$                                      | Cerium(III) chloride                                 | A9 | Chloride                                      | Stoppere d glass vial |    |  |
| UvA150 | $\text{K}_3\text{Fe}(\text{CN})_6$                   | tripotassium hexacyanido ferrate(III) Prussian red   | A4 | Cyanide / Double salt / Coordination compound | Stoppere d glass vial |    |  |
| UvA151 | $\text{CoCO}_3$                                      | Cobalt(II) carbonate                                 | B7 | Carbonate                                     | Stoppere d glass vial |    |  |
| UvA152 | $\{\text{CrAm}_5\text{NO}_2\}\text{Cl}_2$            | Pentaammin enitrochrom ium dichloride                | B3 | Coordination compound                         | Stoppere d glass vial |   |  |
| UvA153 | $\text{Th}(\text{NO}_3)_4$                           | Thorium(IV) nitrate                                  | E4 | Nitrate                                       | Stoppere d glass vial |  |  |
| UvA154 | $\text{Co}_2\text{O}_3$                              | Cobalt (III) oxide                                   | B8 | Oxide                                         | Stoppere d glass vial |  |  |
| UvA155 | $\text{Ag}_2\text{Cr}_2\text{O}_7$                   | Silver dichromate                                    | B3 | Chromate                                      | Stoppere d glass vial |  |  |
| UvA156 | $\{\text{Cr}(\text{NH}_3)_2(\text{CNS})_4\}\text{K}$ | Potassium diamminetetra(isothiocyanato)chromium(III) | B3 | Coordination compound                         | Stoppere d glass vial |  |  |

|        |                                                                                                            |                                |    |                                   |                             |                                                                                      |  |
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| UvA157 | ZrCl <sub>4</sub>                                                                                          | Zirconium(IV)<br>chloride      | B1 | Chloride                          | Stoppere<br>d glass<br>vial |    |  |
| UvA158 | CeO <sub>2</sub><br>onzuiver                                                                               | Cerium(IV)<br>oxide            | A9 | Oxide                             | Stoppere<br>d glass<br>vial |    |  |
| UvA159 | Di <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub><br>Didymium<br>mixture of<br>praseodymium<br>and neodymium | Didymium<br>carbonate          | A9 | Carbonat<br>e                     | Stoppere<br>d glass<br>vial |    |  |
| UvA160 | CoCl <sub>2</sub> .6aq                                                                                     | Cobalt(II)<br>chloride.<br>6aq | B9 | Chloride                          | Stoppere<br>d glass<br>vial |   |  |
| UvA161 | HgBr <sub>2</sub>                                                                                          | Mercury(II)<br>bromide         | C7 | Bromide                           | Stoppere<br>d glass<br>vial |  |  |
| UvA162 | IrCl <sub>4</sub>                                                                                          | Iridium<br>tetrachlorid<br>e   | C1 | Chloride                          | Stoppere<br>d glass<br>vial |  |  |
| UvA163 | Er(NO <sub>3</sub> ) <sub>3</sub>                                                                          | Erbium(III)<br>nitratre        | A9 | Nitrate                           | Stoppere<br>d glass<br>vial |  |  |
| UvA164 | {Co(N..)(N...)}<br>Label<br>damaged                                                                        | Label<br>damaged               | B  | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |  |  |

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| UvA165 | $\{\text{Co}(\text{NH}_3)_4.\text{Cl}_2\}\text{Cl}$ | Tetraammin<br>edichloridoc<br>obalt(III)<br>chloride                | B9 | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |    |  |
| UvA166 | $\text{UO}_3$                                       | Uranium<br>trioxide /<br>Uranium(VI)<br>oxide                       | E4 | Oxide                             | Stoppere<br>d glass<br>vial |    |  |
| UvA167 | $\text{AgH}_2\text{IO}_5$                           | $\text{Ag}(\text{I})$ dihydro<br>genperiodat<br>e ?                 | C5 | Iodate                            | Stoppere<br>d glass<br>vial |    |  |
| UvA168 | $\text{RbBr}$                                       | Rubidium<br>bromide                                                 | A5 | Bromide                           | Stoppere<br>d glass<br>vial |   |  |
| UvA169 | $\text{K}_2\text{PdCl}_4$                           | dipotassium<br>tetrachlorop<br>alladium(2+)                         | C2 | Chloride /<br>Double<br>salt      | Stoppere<br>d glass<br>vial |  |  |
| UvA170 | $\text{Na}_2\text{CrS}_4$                           | Sodium<br>$\text{Cr}(\text{VI})$ sulfide                            | B2 | Sulfide /<br>Double<br>salt       | Stoppere<br>d glass<br>vial |  |  |
| UvA172 | $\{\text{Co}(\text{NH}_3)_4\text{CO}_3\}.\text{Cl}$ | Tetraammin<br>ecarbonatoc<br>obalt(III)<br>chloride                 | B9 | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |  |  |
| UvA173 | $\{\text{Co}(\text{CNS})_4\text{Br}_2\}\text{Br}$   | Dibromidote<br>trakis(isothi<br>ocyanato)co<br>balt(III)<br>bromide | B7 | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |  |  |

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| UvA174 | $K_3Cr(CNS)_6$     | Potassium hexakis(isothiocyanato)chromium(III)             | B2 | Coordination compound  | Stoppered glass vial |    |  |
| UvA175 | Pt-asbest          | Platinum catalyst on asbestos                              | E5 | Metal on support       | Stoppered glass vial |    |  |
| UvA176 | $K_3Mn(CNS)_6$     | Potassium hexakis(isothiocyanato)manganese(II)             | B6 | Coordination compound  | Stoppered glass vial |    |  |
| UvA177 | $K_2TiF_6$         | Dipotassium hexafluorotitanate                             | B1 | Fluoride / Double salt | Stoppered glass vial |   |  |
| UvA178 | AgI                | Silver iodide                                              | C6 | Iodide                 | Stoppered glass vial |  |  |
| UvA179 | $MnCl_2 \cdot 4aq$ | Manganese(II) chloride tetrahydrate                        | B6 | Chloride               | Stoppered glass vial |  |  |
| UvA180 | Mohr's salt        | $(NH_4)_2Fe(SO_4)_2 \cdot 6H_2O$ Ammonium iron(II) sulfate | B7 | Sulfate / Double salt  | Stoppered glass vial |  |  |
| UvA181 | $TlNO_3$           | Thallium(I) nitrate                                        | C8 | Nitrate                | Stoppered glass vial |  |  |

|        |                                                 |                                          |    |                                                    |                       |                                                                                      |                              |
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| UvA182 | $\text{Er}_2\text{O}_3$                         | Erbium(III) oxide                        | A9 | Oxide                                              | Stoppere d glass vial |    |                              |
| UvA183 | $\text{Hg}(\text{CN})_2$                        | Mercury(II) cyanide                      | C7 | Cyanide                                            | Stoppere d glass vial |    |                              |
| UvA184 | $\{\text{Co}(\text{NH}_3)_6\}(\text{NO}_3)_3$   | Hexaammin ecobalt(III) nitrate           | B8 | Coordion ation compoun d                           | Stoppere d glass vial |    |                              |
| UvA185 | $\text{K}_3\text{Cr}(\text{C}_2\text{O}_4)_3$   | Tripotassium tris(oxalato) chromate(III) | B3 | Oxalate / Double salt / Coordion ation compoun d   | Stoppere d glass vial |   | See also:<br>UvA147 + UvA210 |
| UvA186 | $\text{Hg}_2\text{O} \cdot \text{NH}_2\text{I}$ | Mercury(I) oxide.monoiod amine           | C7 | Compoun d                                          | Stoppere d glass vial |  |                              |
| UvA187 | Zr + Hf                                         | Zirconium + Hafnium                      | B1 | Metals / elements                                  | Stoppere d glass vial |  |                              |
| UvA188 | $\text{K}_2\text{NbF}_7$                        | Potassium heptafluorid oniobate          | B2 | Fluoride / Double salt / Coordinat ion compoun d?? | Vial with cork        |  |                              |
| UvA189 | $\text{Cr}_2$ ????                              | Label damaged                            |    | ?                                                  | Stoppere d glass vial |  |                              |

|        |                                       |                                        |    |                         |                       |                                                                                      |  |
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| UvA190 | $(\text{NH}_2)_2\text{HSO}???$        | Label damaged                          |    | Compound                | Stoppere d glass vial |    |  |
| UvA191 | $\text{Sr}(\text{NO}_3)_2$            | Strontium nitrate                      | A7 | Nitrate                 | Stoppere d glass vial |    |  |
| UvA192 | $\text{Cr}(\text{NH}_3)_3\text{Cl}_3$ | Triamminetr ichloridochr omium(III)    | B3 | Coordion ation compound | Stoppere d glass vial |    |  |
| UvA193 | $\text{CuCrO}_4$                      | Copper (II)chromate                    | C3 | Chromat e               | Stoppere d glass vial |   |  |
| UvA194 | $\text{SrCl}_2 \cdot 6\text{aq}$      | Strontium chloride. Ehexa hydrate      | A4 | Chloride                | Stoppere d glass vial |  |  |
| UvA195 | $\text{HgBr}_2 \cdot \text{KBr}$      | Mercury(II) bromide. potassium bromide | C7 | Bromide / Double salt   | Stoppere d glass vial |  |  |
| UvA196 | $\text{Ag}_3\text{IO}_5$              | Ag(I)perioda te ?                      | C5 | Iodide                  | Stoppere d glass vial |  |  |
| UvA197 | $\text{TeS}$                          | Tellurium sulfide                      | E2 | Sulfide                 | Stoppere d glass vial |  |  |

|        |                                                                                                           |                                                                                                                   |    |                       |                       |                                                                                      |  |
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| UvA198 | $\text{Sb}_2\text{S}_3$                                                                                   | Stibnite or Antimonite                                                                                            | D7 | Sulfide               | Stoppere d glass vial |    |  |
| UvA199 | Na-para-Wolframaat                                                                                        |                                                                                                                   | B5 | Tungstate             | Stoppere d glass vial |    |  |
| UvA200 | $\{\text{Co}(\text{NH}_3)_4(\text{NO}_2)_2\} \cdot \text{NO}_3$                                           | Tetraammin edinitrocobalt(III) nitrate<br>(indien gecoördineerd aan de N: Tetraammin edinitrocobalt(III) nitrate) | D8 | Coordination compound | Stoppere d glass vial |    |  |
| UvA201 | $\text{CoCl}_2 \cdot 2\text{C}_6\text{H}_5\text{NH}_2 \cdot 2\text{C}_2\text{H}_5\text{OH}$               | Bis(anilin) dichloridobis(ethanol)cobalt(II)                                                                      | B8 | Coordination compound | Stoppere d glass vial |   |  |
| UvA202 | $\{\text{CrAm}_5\text{H}_2\text{O}\} \cdot \text{Br}_3$                                                   | Pentaammine aquachromium(III) bromide                                                                             | B3 | Coordination compound | Stoppere d glass vial |  |  |
| UvA203 | $(\text{NH}_4)_2\text{U}_6\text{O}_{16} \cdot x \text{aq}$                                                | Ammonium uranate                                                                                                  | E4 | Uranate               | Stoppere d glass vial |  |  |
| UvA204 | $\text{K}_3\{\text{Cr}(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_2\} \cdot 3\text{aq}$<br>transvorm     | Tripotassium trans-diaquabis(oxalato)chromium(III) trihydrate                                                     | B4 | Compound              | Stoppere d glass vial |  |  |
| UvA205 | Natrium-Vanadico-Vanadaat<br>$\text{Na}_2\text{O} \cdot 5\text{V}_2\text{O}_5 \cdot \text{V}_2\text{O}_4$ |                                                                                                                   | B2 | Vanadate              | Stoppere d glass vial |  |  |



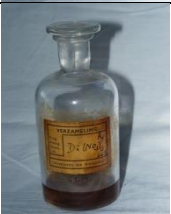
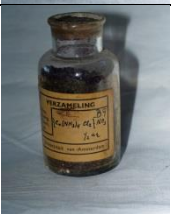
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| UvA206 | $K_2V_4O_{11} \cdot 2aq$            |                                                                                          | B2 | Vanadate                          | Stoppere<br>d glass<br>vial |     |                              |
| UvA207 | Sb                                  | Antimony                                                                                 | D7 | Element                           | Stoppere<br>d glass<br>vial |    |                              |
| UvA208 | $UO_2(H_3C_2O_2)_2$                 | Uranyl<br>diacetate                                                                      | E4 | Acetate                           | Stoppere<br>d glass<br>vial |    |                              |
| UvA209 | $\{Am_4Co-NH_2-OH-CoAm_4\}Cl_4$     | $\mu$ -<br>hydroxylami<br>ne-<br>bis[tetraam<br>minecobalt(I<br>I)]<br>tetrachlorid<br>e | B9 | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |    |                              |
| UvA210 | $K_3\{Cr(C_2O_2)\dots\}$<br>cismorm | Label<br>damaged                                                                         |    | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |  | See also:<br>UvA147 + UvA185 |
| UvA211 | Wolframzuur                         | Tungstic acid                                                                            | B5 | Tungstat<br>e                     | Stoppere<br>d glass<br>vial |  |                              |
| UvA212 | $CoSO_4 \cdot 7aq$                  | Cobalt(II)<br>sulfate. 7aq                                                               | B8 | Sulfate                           | Stoppere<br>d glass<br>vial |  |                              |
| UvA213 | $CoCl_2 \cdot 2C_6H_5NH_2$          | Bis(aniline)di<br>chloridocoba<br>lt(II)                                                 | B9 | Coordion<br>ation<br>compoun<br>d | Stoppere<br>d glass<br>vial |   |                              |

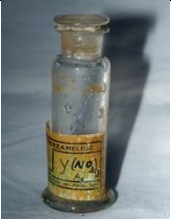
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| UvA214 | ZrSiO <sub>4</sub>                                                  | Zirconium silicate / zircon mineral                                                                      | B1 | Silicate                                      | Stoppere d glass vial |    |  |
| UvA215 | Mengkrist. Co-Mg sulfaat                                            |                                                                                                          | B8 | Sulfate / Double salt                         | Stoppere d glass vial |    |  |
| UvA216 | {Co(NH <sub>3</sub> ) <sub>5</sub> NO <sub>2</sub> }SO <sub>4</sub> | Pentaammin enitrocobalt(III) sulfate<br><i>Nitro of nitrito??<br/>(eerste bindt aan N, tweede aan O)</i> | B9 | Coordination compound                         | Stoppere d glass vial |    |  |
| UvA217 | Zn-P legering                                                       |                                                                                                          | C6 | Alloy                                         | Stoppere d glass vial |   |  |
| UvA218 | CdBr <sub>2</sub>                                                   | Cadmium bromide                                                                                          | C6 | Bromide                                       | Stoppere d glass vial |  |  |
| UvA219 | MnO                                                                 | Manganese(I) oxide<br>rare mineral<br>manganosite                                                        | B6 | Oxide                                         | Stoppere d glass vial |  |  |
| UvA220 | HgSO <sub>4</sub> .2HgO                                             | Mercuric subsulfate                                                                                      | C7 | Compound                                      | Stoppere d glass vial |  |  |
| UvA221 | K <sub>2</sub> Ni(CN) <sub>4</sub>                                  | Potassium tetracyanido nickelate(II)                                                                     | C1 | Cyanide / Double salt / Coordination compound | Stoppere d glass vial |  |  |

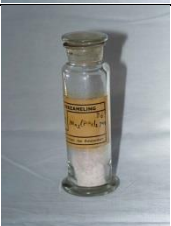
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| UvA222 | $\{\text{Co}(\text{NH}_3)_2(\text{NO}_2)_4\}\text{NH}_4$     | Ammonium<br>diamminetetra-<br>nitritocobalt(III)<br><br>(of nitro bij N-binding) | B9 | Coordination<br>compound    | Stoppered glass<br>vial              |    |  |
| UvA223 | $\text{ZnSO}_4 \cdot \text{K}_2\text{SO}_4 \cdot 6\text{aq}$ |                                                                                  | C6 | Sulfate /<br>Double<br>salt | Stoppered glass<br>vial              |    |  |
| UvA224 | $\text{H}_2\text{MoO}_4$                                     | Molybdic<br>acid                                                                 | B4 | Molybdate                   | Stoppered glass<br>vial              |    |  |
| UvA225 | $\text{CdI}_2$                                               | Cadmium<br>iodide                                                                | C6 | Iodide                      | Stoppered glass<br>vial              |   |  |
| UvA226 | $\{\text{Co}(\text{NH}_3)_4\text{CO}_3\}\text{NO}_3$         | Tetraammine-<br>carbonatocobalt(III)<br>nitrate                                  | B9 | Coordination<br>compound    | Stoppered glass<br>vial              |  |  |
| UvA227 | $\text{CdCO}_3$                                              | Cadmium<br>carbonate                                                             | C6 | Carbonate                   | Stoppered glass<br>vial              |  |  |
| UvA228 | $\text{CuI}$                                                 | Copper(I)<br>iodide /<br>cuprous<br>iodide                                       | C3 | Iodide                      | Stoppered glass<br>vial              |  |  |
| UvA229 | $\text{HAuCl}_4$                                             | Chloroauric<br>acid                                                              | C6 | Aurate                      | Stoppered glass<br>vial +<br>ampoule |  |  |

|        |                                               |                                             |    |                      |                       |                                                                                      |  |
|--------|-----------------------------------------------|---------------------------------------------|----|----------------------|-----------------------|--------------------------------------------------------------------------------------|--|
| UvA230 | $\text{Zn}_3(\text{PO}_4)_2 \cdot 5\text{aq}$ | Zinc phosphate                              | C6 | Phosphate            | Stoppere d glass vial |    |  |
| UvA231 | $\text{CuBr}_2$                               | Copper(II) bromide                          | C4 | Bromide              | Stoppere d glass vial |    |  |
| UvA232 | Fe-Se legering                                |                                             | E2 | Alloy                | Stoppere d glass vial |    |  |
| UvA233 | $\text{Mn}_3\text{O}_4$                       | Manganese(I,III) oxide mineral hausmannite. | B6 | Oxide                | Stoppere d glass vial |   |  |
| UvA234 | $\text{Zr}(\text{SO}_4)_2$                    | Zirconium sulfate                           | B1 | Sulfate              | Stoppere d glass vial |  |  |
| UvA235 | K-trichroaat                                  | $\text{K}_2\text{Cr}_2\text{O}_7$           | B2 | Chromate             | Stoppere d glass vial |  |  |
| UvA236 | Na-perborowolframaat                          |                                             | B5 | Tungstate            | Stoppere d glass vial |  |  |
| UvA237 | $\text{KPbJ}_3 \cdot 2\text{aq}$              | Potassium leadiodide                        | D3 | Iodide / Double salt | Stoppere d glass vial |  |  |

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|--------|---------------------------------------------|------------------------------------------------|----|----------|---------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| UvA238 | $\text{FeCl}_2 \cdot 4 \text{ aq}$          | Iron(II) chloride tetrahydrate                 | B7 | chloride | Ampoule |    |    |
| UvA239 | $\text{MoCl}_5$                             | Molybdeen (V) chloride                         | B5 | Chloride | Ampoule |                                                                                      |    |
| UvA240 | $\text{PbJ}_2$                              | Lead(II) iodide                                | D2 | iodide   | Ampoule |                                                                                      |    |
| UvA241 | As                                          | Arsenicum                                      | D6 | Element  | Ampoule |   |    |
| UvA242 | $2\text{HgCl}_2\text{HCl} \cdot 6\text{aq}$ | Pentachloro mercurate(II) hydrogen hexahydrate | C7 | Compound | Ampoule |  |  |
| UvA243 | $\text{AgCl}$                               | Silver chloride (precipitate in water?)        | C5 | Chloride | Ampoule |  |  |
| UvA244 | $4\text{HgCl}_2\text{HCl} \cdot 9\text{aq}$ |                                                | C7 | Compound | Ampoule |  |  |
| UvA245 | $\text{Se}_2\text{Cl}_2$                    | Selenium monochloride                          | E2 | Compound | Ampoule |                                                                                      |  |

|        |                                                            |                                                                            |    |                       |                  |                                                                                      |                                                                                       |
|--------|------------------------------------------------------------|----------------------------------------------------------------------------|----|-----------------------|------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| UvA246 | $2\text{AgCl} \cdot 3\text{NH}_3$                          | Sesquiammoniate of Silverchloride                                          | C6 | Coordination compound | Ampoule          |    |    |
| UvA247 | $\text{MoCl}_4$                                            | Molybdenum(IV) chloride                                                    | B5 | Chloride              | Ampoule          |                                                                                      |    |
| UvA248 | $\text{Er}(\text{NO}_3)_3 \cdot 15\text{H}_2\text{O}$      | Erbium(III) nitrate solution                                               | A9 | Nitrate               | Stopped bottle   |    |                                                                                       |
| UvA250 | $\text{Di}(\text{NO}_3)_3 \cdot 10\text{H}_2\text{O}$      | Didymium-mixture of neodymium and praseodymium discovered by Carl Mosander | A9 | Nitrate               | Stopped bottle   |   |                                                                                       |
| UvA251 | Zirconium nitricum                                         | Zirconium nitrate                                                          | B1 | Nitrate               | Stopped bottle   |  |                                                                                       |
| UvA252 | $\text{N}_2\text{O}$ vloeibaar                             | Nitrous oxide = laughing gas                                               | D3 | Compound              | Ampoule          |  |  |
| UvA253 | Chroom                                                     | Chromium                                                                   |    | Metal / element       | Stopped bottle   |  |                                                                                       |
| UvA254 | $\{\text{Co}(\text{NH}_3)_4\text{Cl}_2\}\text{NO}_3$ 1/2aq | Tetraamminechlorocobalt(III) nitrate                                       | B9 | Coordination compound | Bottle with cork |  |                                                                                       |

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|--------|-------------------------------------------------|-------------------------------------------|----|-----------------------|----------------------|--------------------------------------------------------------------------------------|--|
| UvA255 | $K_3Co(CN)_6$                                   | Tripotassium hexakis(cyano)cobaltate(III) | B7 | Coordination compound | Stoppered bottle     |    |  |
| UvA256 | $K_2V_6O_{16} \cdot 2aq$                        | Potassium hexavanadate                    | B2 | Vanadate              | Stoppered bottle     |    |  |
| UvA257 | $[CrCl_2(H_2O)_4]Cl \cdot 2aq$                  | Chromium(II) chloride                     | B2 | Chloride              | Stoppered glass vial |    |  |
| UvA258 | $Na_3Co(NO_2)_6$<br>Natriumcobaltnitriet (vast) |                                           | B9 | Coordination compound | Stoppered bottle     |   |  |
| UvA259 | Vanadium Sulfaat                                | Vanadyl(IV) sulfate                       | B2 | Sulfate               | Stoppered glass vial |  |  |
| UvA260 | $Y(NO_3)_3$                                     | Yttrium nitrate                           | A9 | Nitrate               | Stoppered glass vial |  |  |
| UvA261 | Li-metaal                                       | Lithium                                   | A1 | Metal / element       | Stoppered bottle     |  |  |
| UvA262 | Tantaalchloraat sub ??<br>Görlitz               | Tantalum chlorate ???                     | B2 | Chlorate              | Stoppered bottle     |  |  |

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| UvA263 | $\text{As}_2\text{I}_4$                       | Diarsenic tetraiodide  | D6 | Compound  | Ampoule              |    |   |
| UvA264 | $\text{VCl}_3$                                | Vanadium(III) chloride | B2 | Chloride  | Ampoule              |    |   |
| UvA265 | $\text{SeCl}_4$                               | Selenium tetrachloride | E2 | Compound  | Ampoule              |    |   |
| UvA266 | $\text{JBr}$                                  | Iodine monobromide     | J3 | Compound  | Ampoule              |   |  |
| UvA267 | $\text{Mn}_3(\text{PO}_4)_2 \cdot 7\text{aq}$ | Manganese(I) phosphate | B6 | Phosphate | Stoppered glass vial |  |                                                                                      |
| UvA268 | $\text{NiSO}_4 \cdot 7\text{aq}$              | Nickel(II) sulfate     | C1 | Sulfate   | Stoppered glass vial |  |                                                                                      |
| UvA269 | $\text{NiCl}_2 \cdot 6\text{aq}$              | Nickel(II) chloride    | C1 | Chloride  | Stoppered glass vial |  |                                                                                      |
| UvA270 | $\text{CuCl}_2 \text{ anh.}$                  | Copper(II) chloride    | C3 | Chloride  | Stoppered glass vial |  |                                                                                      |



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| UvA271 | Al                               | Aluminium                                | A9 | Metal / element       | Stoppered glass vial |    |  |
| UvA272 | HgCl <sub>2</sub> KCl 1aq        | Mercury(II) chloride. Potassium chloride | C7 | Chloride              | Stoppered glass vial |    |  |
| UvA273 | NiBr <sub>2</sub>                | Nickel(II) bromide                       | C1 | Bromide               | Stoppered glass vial |    |  |
| UvA274 | ThCl <sub>4</sub>                | Thorium(IV) chloride                     | E4 | Chloride              | Stoppered glass vial |   |  |
| UvA275 | Cu <sub>2</sub> HgI <sub>4</sub> | Copper(I)tetraiodomercurate (II)         | C2 | Iodide                | Stoppered glass vial |  |  |
| UvA276 | JCl <sub>3</sub> NaCl 2aq        | Sodium tetrachloridiodate(III)           | E3 | Compound              | Stoppered glass vial |  |  |
| UvA277 | KAu(CN) <sub>2</sub>             | Potassium dicyanoaurate                  | C6 | Coordination compound | Stoppered glass vial |  |  |
| UvA278 | Zr                               | Zirconium                                | B1 | Metal / element       | Stoppered glass vial |  |  |

|        |                                              |                                                                                 |    |                              |                             |                                                                                      |                                                                                                                                                                                                                                              |
|--------|----------------------------------------------|---------------------------------------------------------------------------------|----|------------------------------|-----------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UvA279 | Nieuw Zilver                                 | Nickel silver Alloy<br>composition<br>60% copper,<br>20% nickel<br>and 20% zinc | C3 | Alloy                        | Stoppere<br>d glass<br>vial |    |                                                                                                                                                                                                                                              |
| UvA280 | $\text{Zr}(\text{OH})_4$                     | Zirconium(IV)<br>) hydroxide                                                    | B1 | Hydroxid<br>e                | Stoppere<br>d glass<br>vial |    |                                                                                                                                                                                                                                              |
| UvA281 | $\text{Ce}_2\text{O}_3$                      | Cerium(III)<br>oxide                                                            | A9 | Oxide                        | Stoppere<br>d glass<br>vial |    |                                                                                                                                                                                                                                              |
| UvA282 | $\text{MgCl}_2 \cdot 2\text{CdCl}_2$<br>12aq | ?                                                                               | C6 | Chloride /<br>double<br>salt | Stoppere<br>d glass<br>vial |   |                                                                                                                                                                                                                                              |
| UvA283 | $\text{Y}_2\text{O}_3$                       | Yttrium(III)<br>oxide                                                           | A9 | Oxide                        | Stoppere<br>d glass<br>vial |  |                                                                                                                                                                                                                                              |
| UvA284 | $\text{SeJCl}_2$                             | ??                                                                              | E2 | Compound                     | Stoppere<br>d glass<br>vial |  |                                                                                                                                                                                                                                              |
| UvA285 | $\text{Th}(\text{SO}_4)_2 \cdot 4\text{aq}$  | Thorium<br>sulfate                                                              | E4 | Sulfate                      | Stoppere<br>d glass<br>vial |  |                                                                                                                                                                                                                                              |
| UvA286 | $\text{Na}_2\text{U}_2\text{O}_7$            | Sodium<br>diuranate<br>Yellowcake<br>(also called<br>urania)                    | E4 | Uranate                      | Stoppere<br>d glass<br>vial |  | Yellow cake betreft een van die spectaculaire zaken in de Nederlandse wetenschaps- cq techniekgeschiedenis. Zie: <a href="#">proefschrift J.M. van Splunter UvA (1993)</a> <a href="#">Artikel</a> blad Delft Integraal van de TU Delft 2008 |

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| UvA287 | Chlooraethyl | Ethylchloride in phial in box<br>dr.Furnée,<br>Chemische<br>Fabriek Den<br>Haag<br>Dentistry |  | Organochloride | Phial in box |  |  |
|--------|--------------|----------------------------------------------------------------------------------------------|--|----------------|--------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|