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Fig. 1

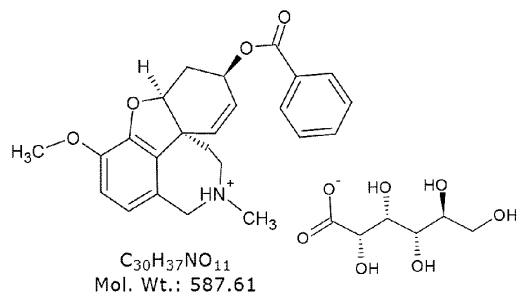
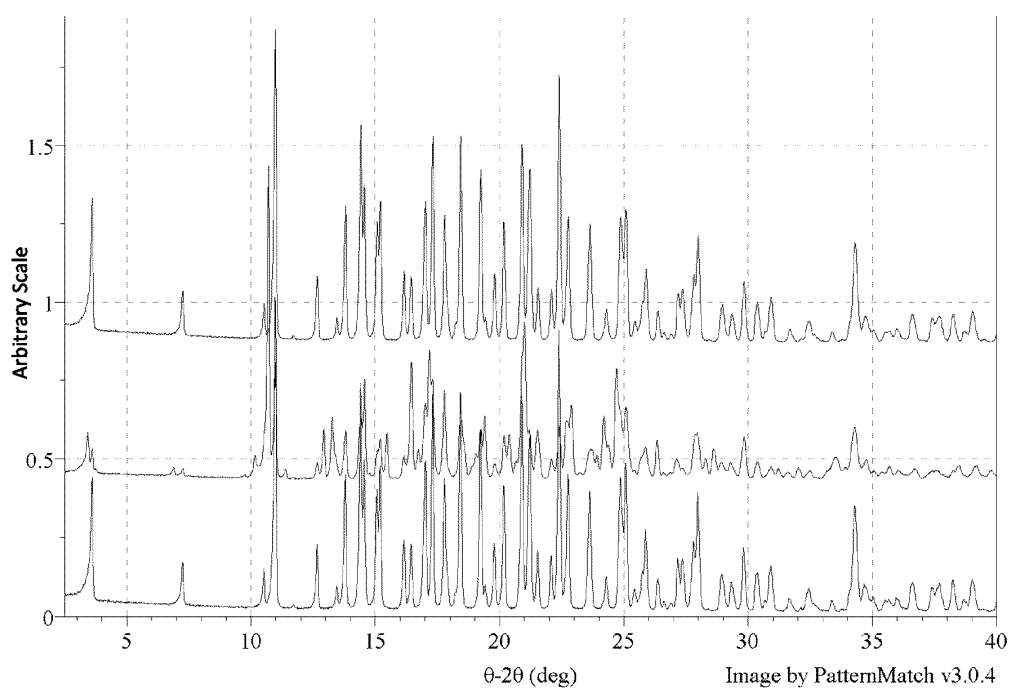


Fig. 2

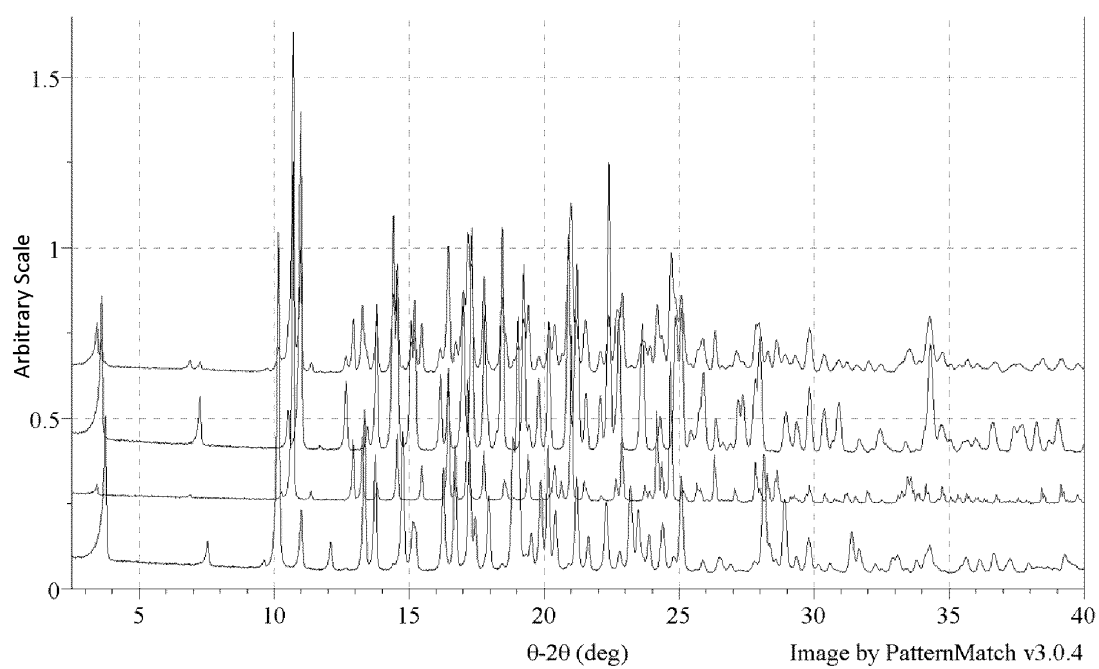
Top to bottom:  
Lot CA19-1444, Form A  
Lot QCL-PLC-I-96, Mixture of Forms A, B, & D  
Lot CA19-0673, Form A



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Fig. 3

Top to bottom:  
Lot QCL-PLC-I-96, Mixture of Forms A, B, & D  
Form A, Lot CA19-1144  
Form B, 8235-85-01  
Form D, 8235-86-01



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Fig. 4

Top to bottom:  
Lot QCL-PLC-I-96, Mixture of Forms A, B, & D  
Form A, Lot CA19-1144  
Form B, 8235-85-01  
Form D, 8235-86-01

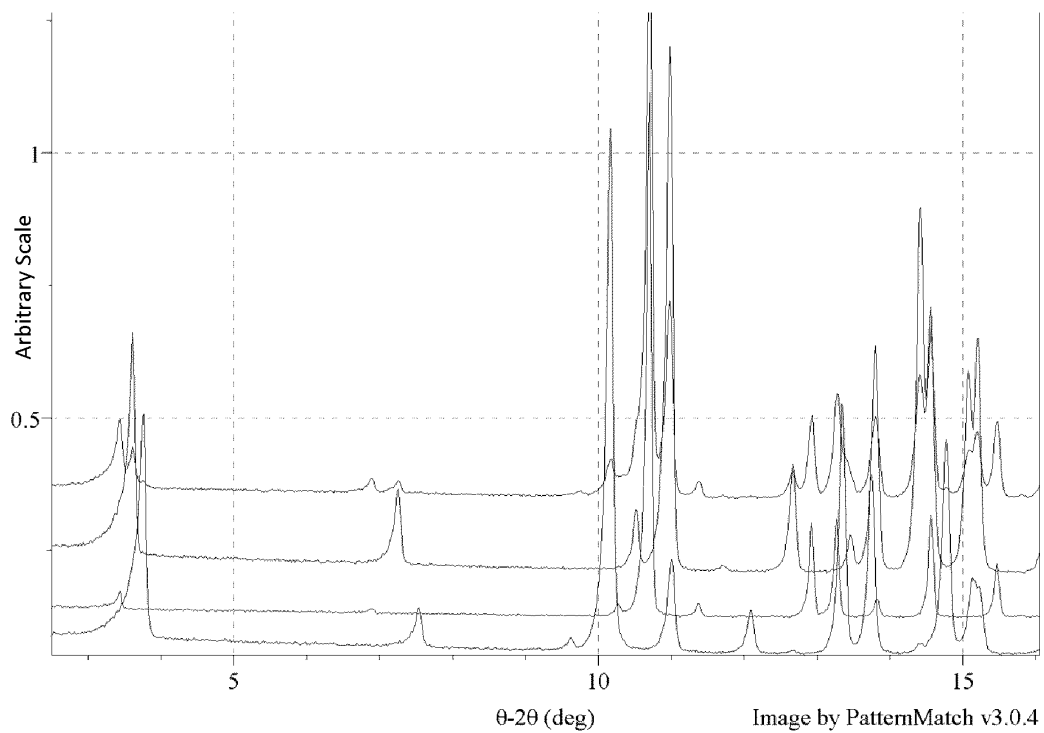
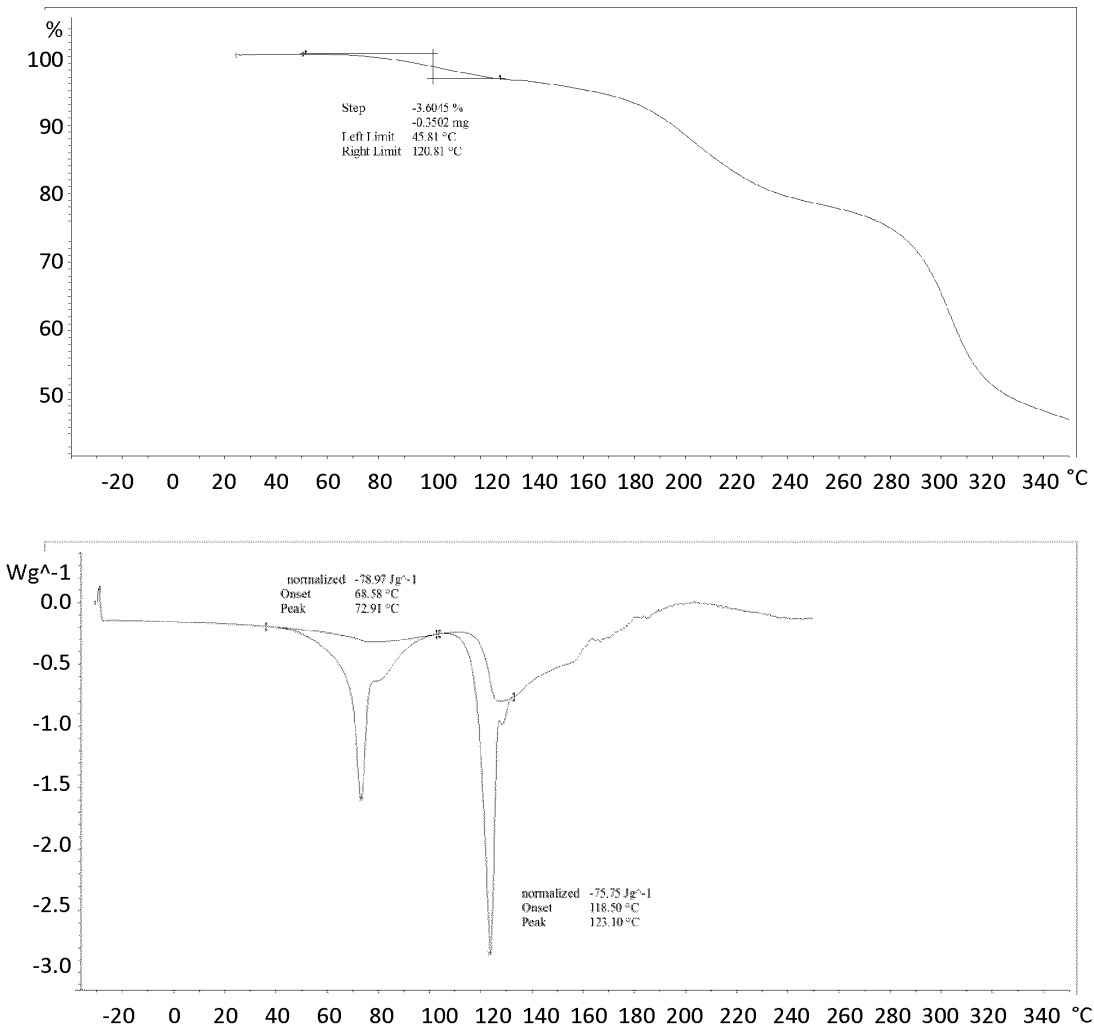


Fig. 5



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Fig. 6

Top to bottom:

Form A: Alpha-1062 Gluconate, Lot CA19-1144  
Form B: Alpha-1062 Gluconate, 8235-85-01  
Form C: Alpha-1062 Gluconate, 8235-87-02  
Form D: Alpha-1062 Gluconate, 8235-86-01  
Material E: 8235-76-04  
Material F: 8235-76-07  
Material G: Alpha-1062 Gluconate, 8235-100-02

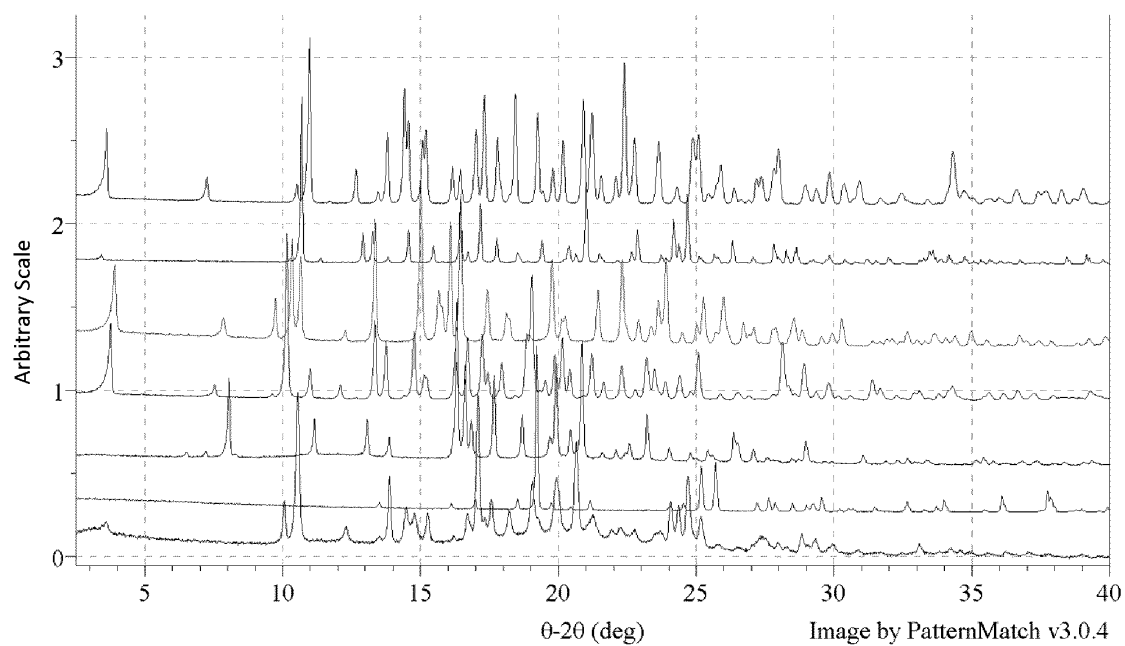
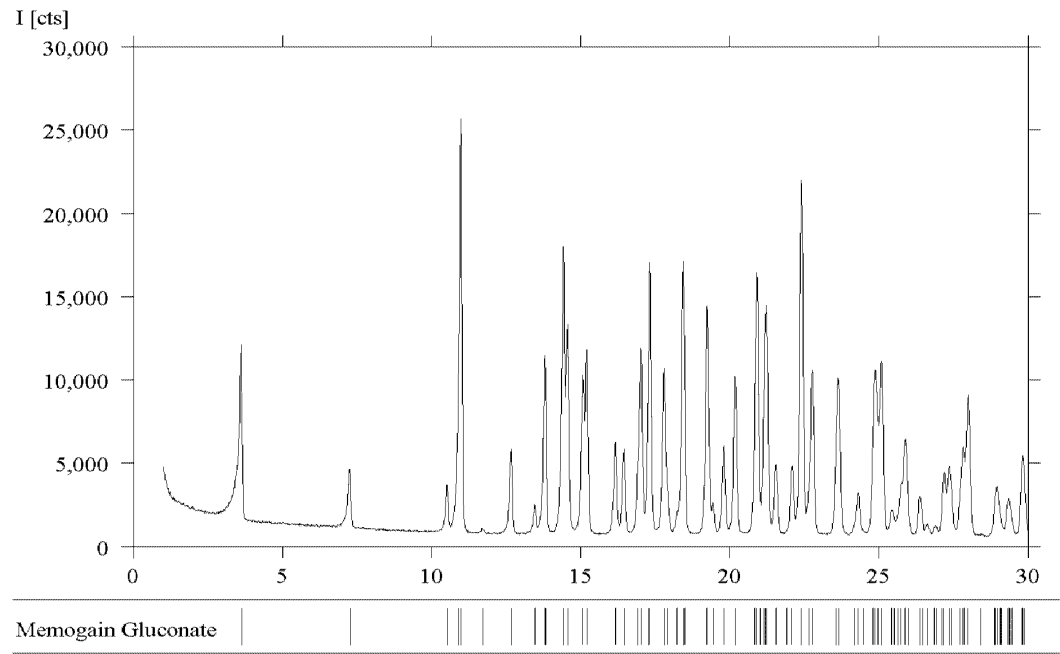


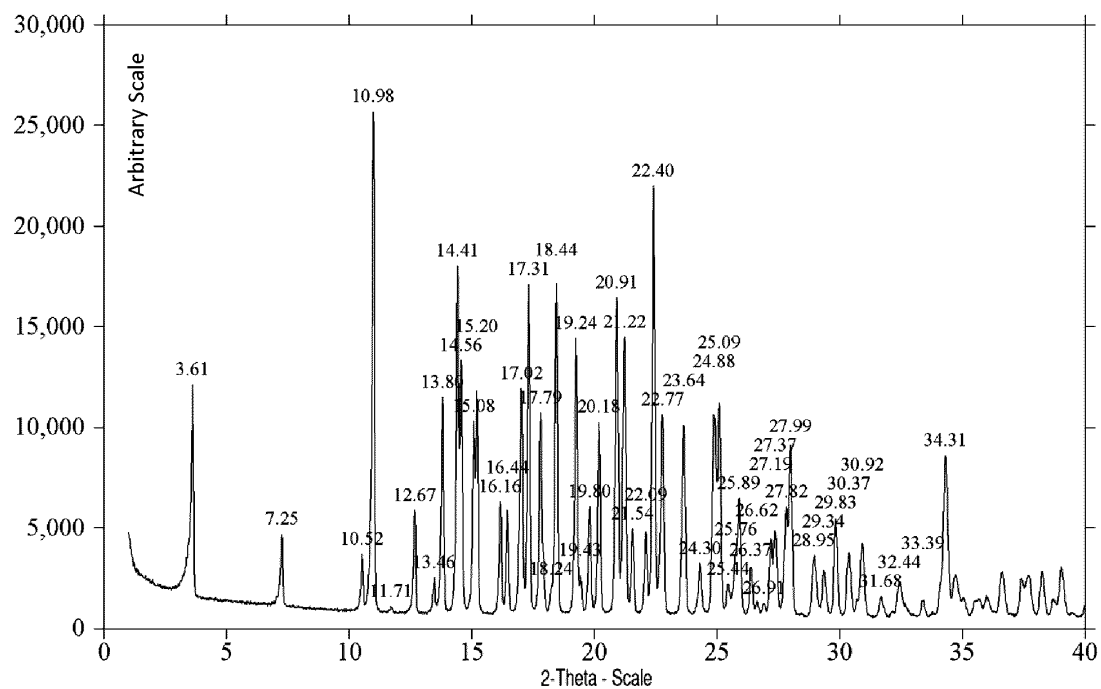
Fig. 7



|                               | Memogain Gluconate                                 |
|-------------------------------|----------------------------------------------------|
| Bravais Type                  | Primitive Orthorhombic                             |
| a [Å]                         | 6.634                                              |
| b [Å]                         | 8.524                                              |
| c [Å]                         | 48.627                                             |
| α [deg]                       | 90                                                 |
| β [deg]                       | 90                                                 |
| γ [deg]                       | 90                                                 |
| Volume [Å <sup>3</sup> /cell] | 2,749.8                                            |
| Chiral Contents?              | Chiral                                             |
| Extinction Symbol             | P 2 <sub>1</sub> 2 <sub>1</sub> 2 <sub>1</sub>     |
| Space Group(s)                | P2 <sub>1</sub> 2 <sub>1</sub> 2 <sub>1</sub> (19) |
| Source                        | Manual Input                                       |

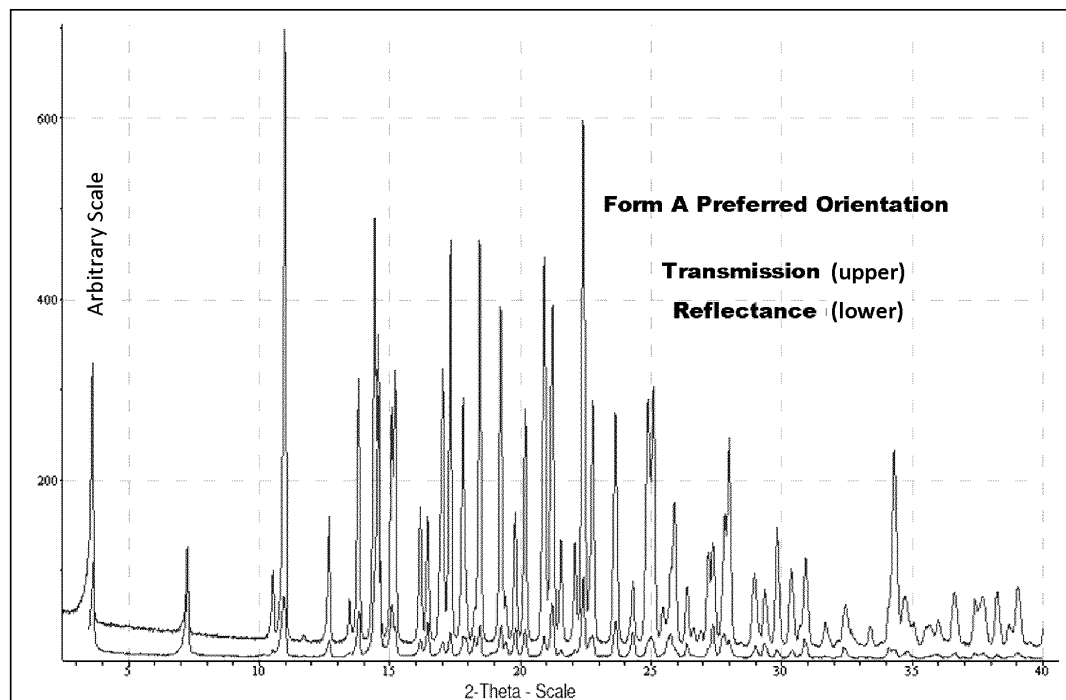
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Fig. 8



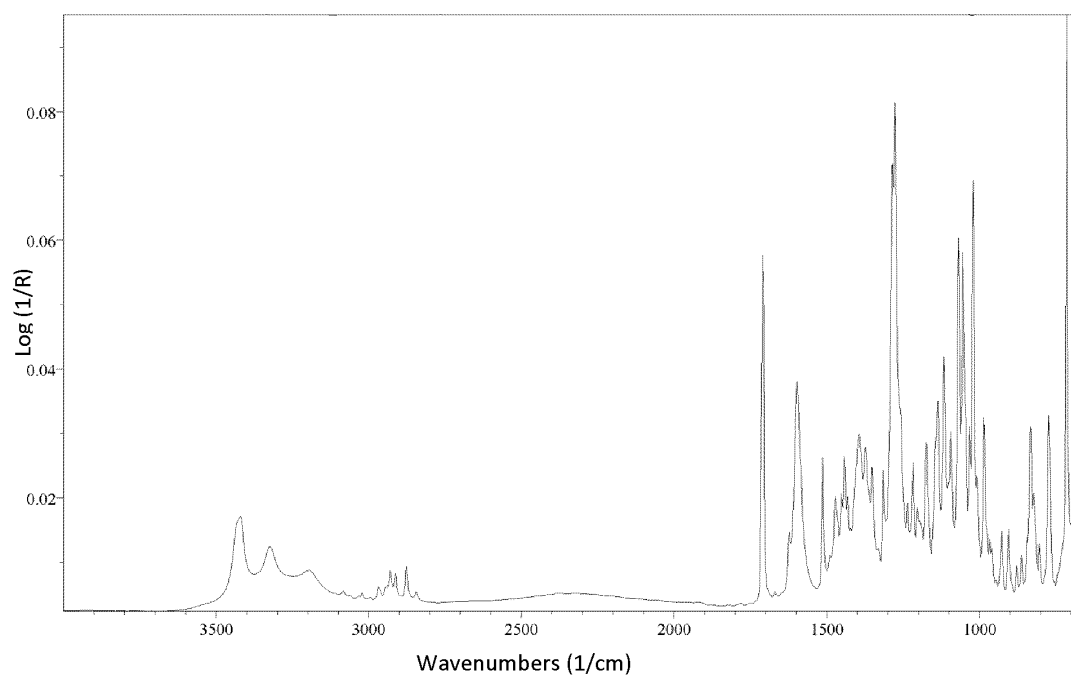
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Fig. 9



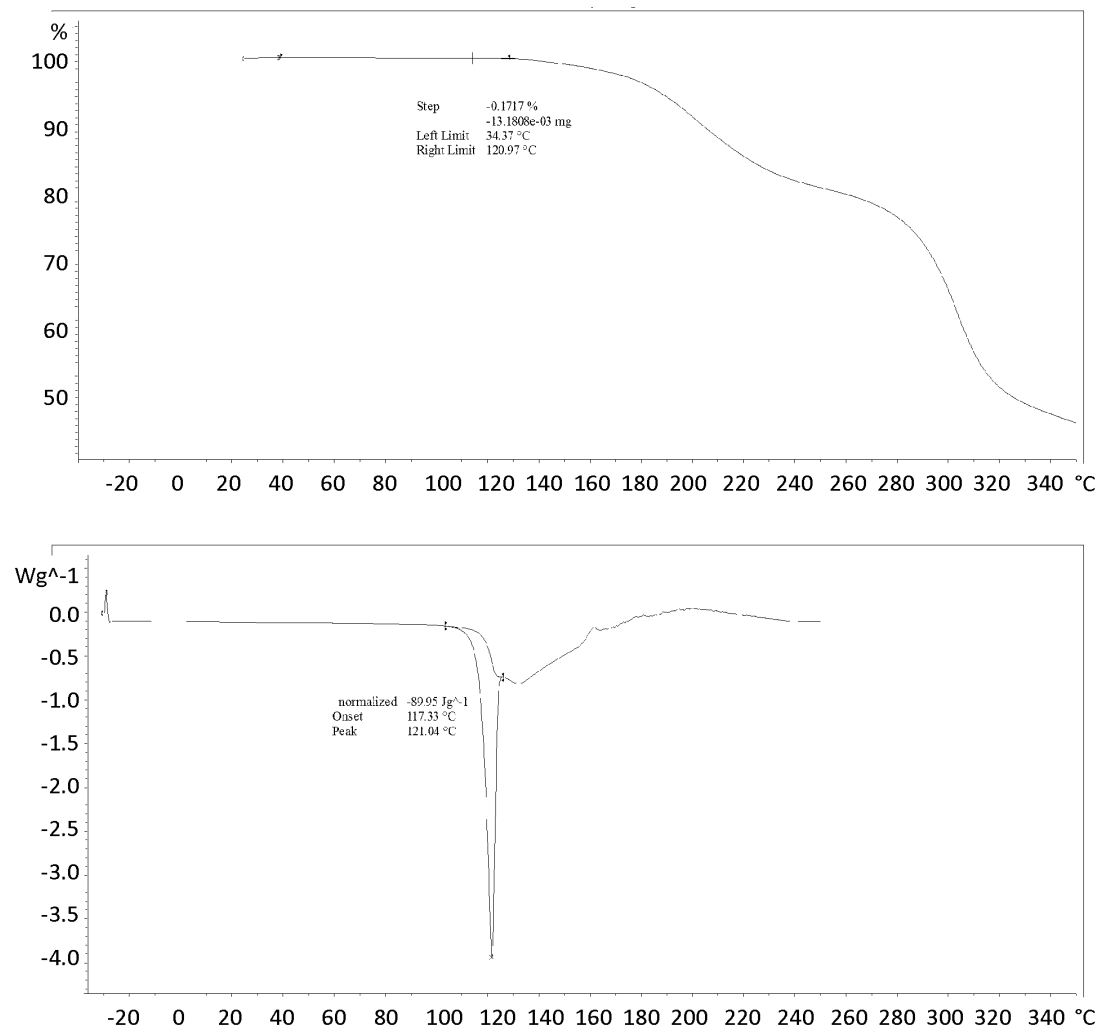
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Fig. 10



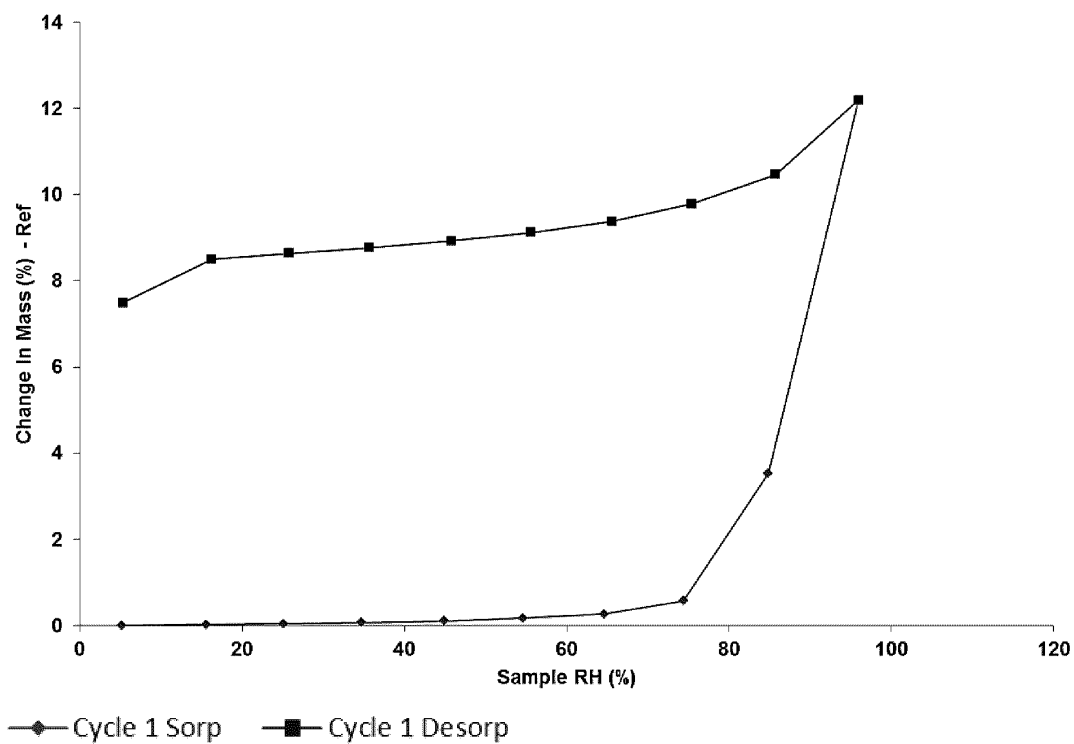
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Fig. 11



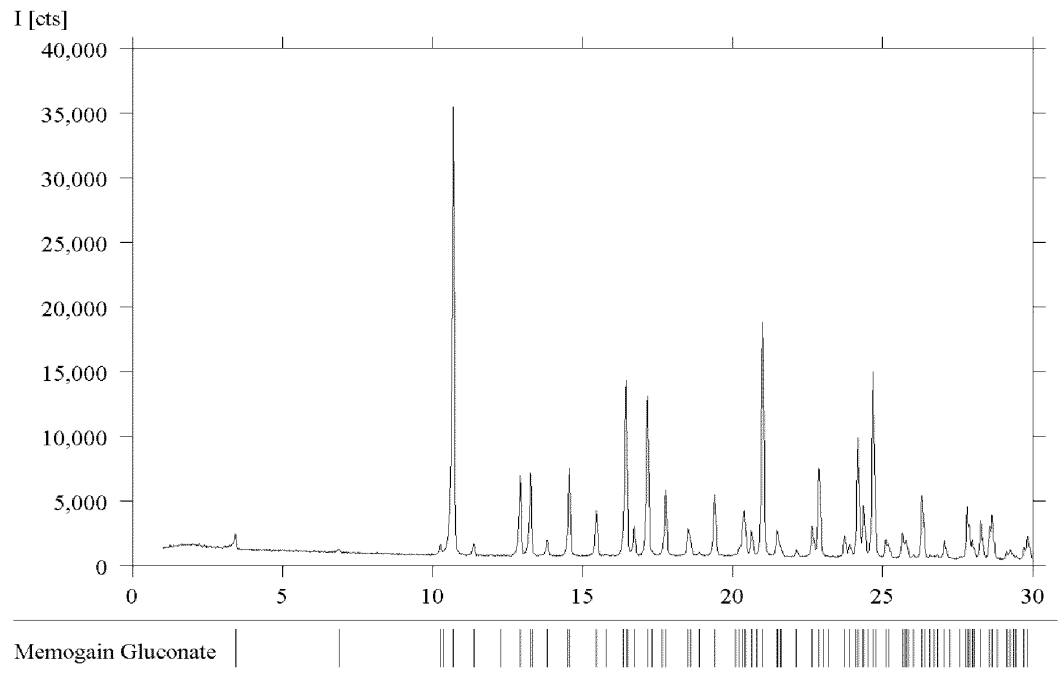
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Fig. 12



| Target<br>RH (%) | Sample<br>RH (%) | Sorp Mass<br>Change<br>(%) | Sample<br>RH<br>(%) | Desorp<br>Mass<br>Change<br>(%) | Hysteresis |
|------------------|------------------|----------------------------|---------------------|---------------------------------|------------|
| 5.0              | 5.2              | 0.00                       | 5.4                 | 7.49                            |            |
| 15.0             | 15.6             | 0.02                       | 16.3                | 8.50                            | 8.48       |
| 25.0             | 25.1             | 0.04                       | 25.8                | 8.64                            | 8.60       |
| 35.0             | 34.7             | 0.06                       | 35.6                | 8.77                            | 8.71       |
| 45.0             | 44.9             | 0.10                       | 45.8                | 8.92                            | 8.82       |
| 55.0             | 54.6             | 0.17                       | 55.6                | 9.12                            | 8.96       |
| 65.0             | 64.6             | 0.26                       | 65.6                | 9.38                            | 9.12       |
| 75.0             | 74.4             | 0.57                       | 75.4                | 9.78                            | 9.21       |
| 85.0             | 84.8             | 3.53                       | 85.7                | 10.47                           | 6.94       |
| 95.0             | 96.0             | 12.20                      | 96.0                | 12.20                           |            |

Fig. 13



|                               | Memogain Gluconate                                 |
|-------------------------------|----------------------------------------------------|
| Bravais Type                  | Primitive<br>Orthorhombic                          |
| a [Å]                         | 6.906                                              |
| b [Å]                         | 8.726                                              |
| c [Å]                         | 51.202                                             |
| α [deg]                       | 90                                                 |
| β [deg]                       | 90                                                 |
| γ [deg]                       | 90                                                 |
| Volume [Å <sup>3</sup> /cell] | 3,085.5                                            |
| Chiral Contents?              | Chiral                                             |
| Extinction Symbol             | P 2 <sub>1</sub> 2 <sub>1</sub> 2 <sub>1</sub>     |
| Space Group(s)                | P2 <sub>1</sub> 2 <sub>1</sub> 2 <sub>1</sub> (19) |
| Source                        | Manual Input                                       |

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Fig. 14

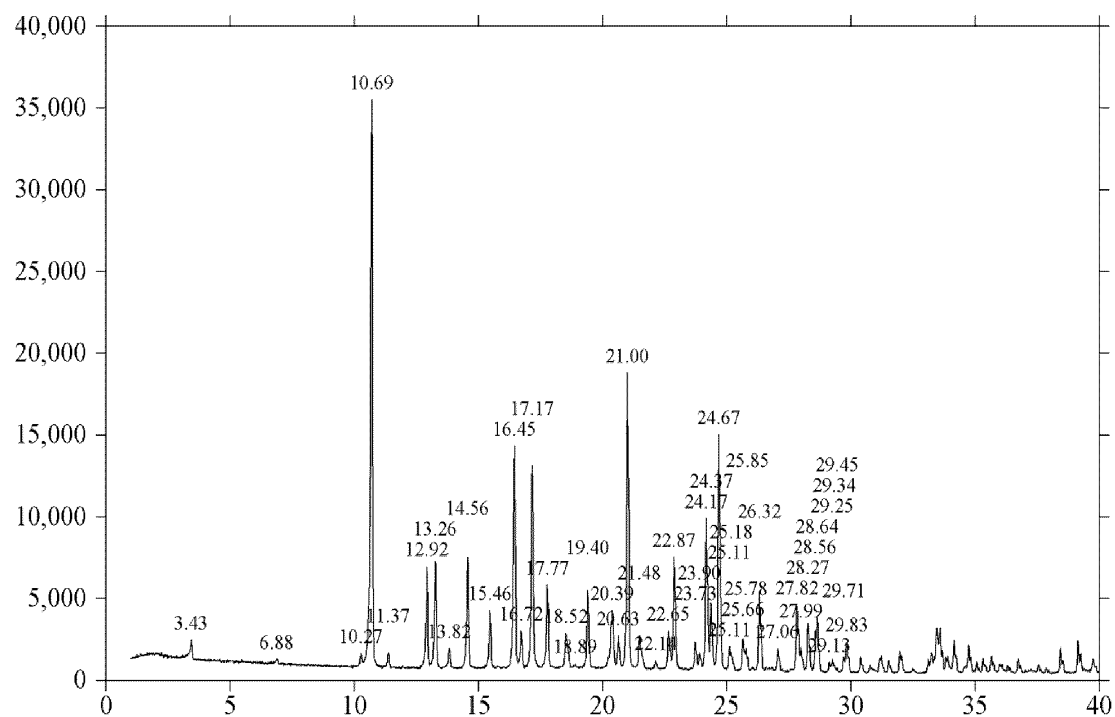
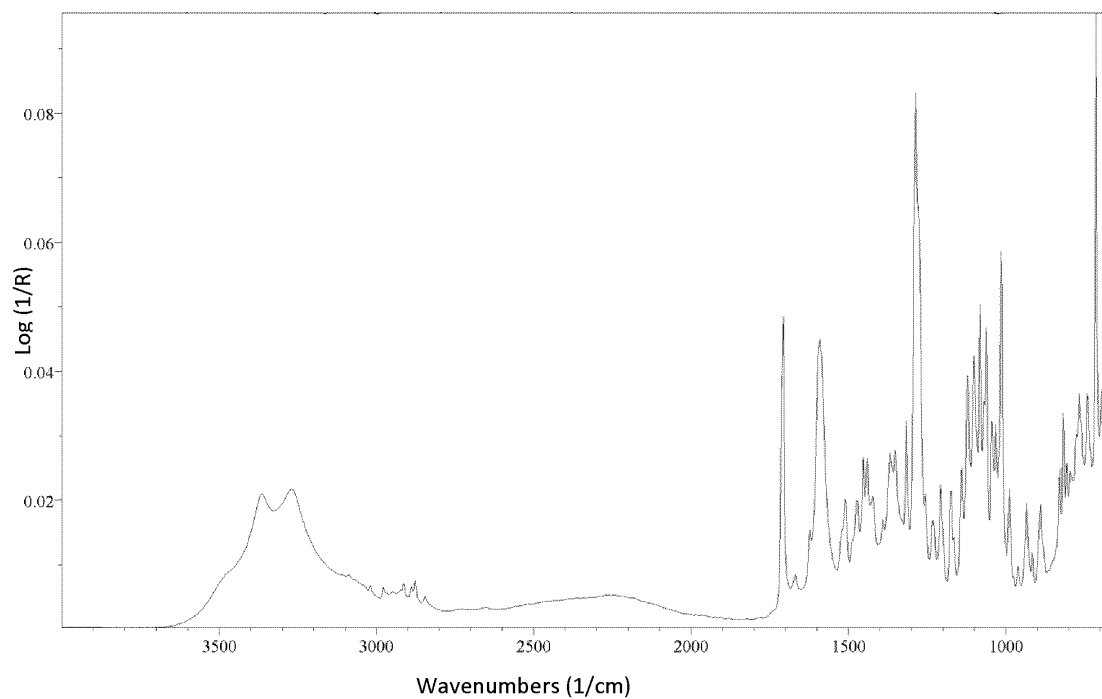


Fig. 15



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Fig. 16

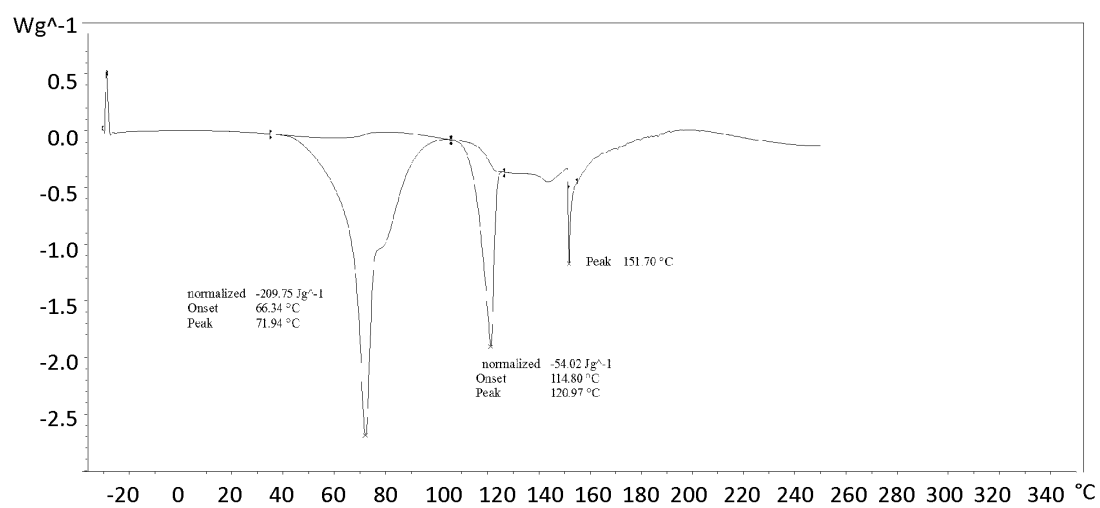
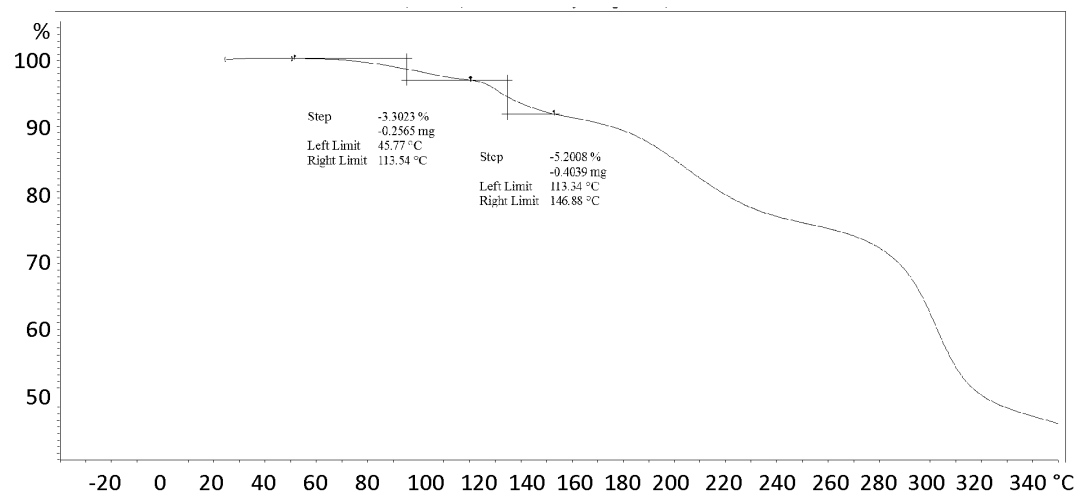
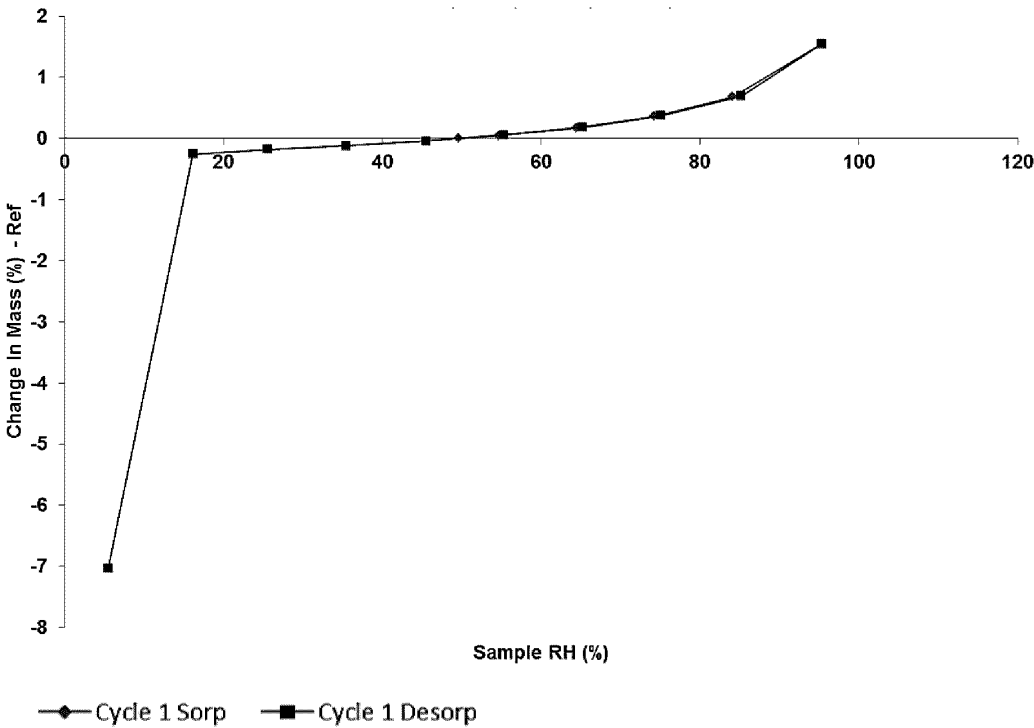


Fig. 17



| Target RH (%) | Sample RH (%) | Sorp Mass Change (%) | Sample RH (%) | Desorp Mass Change (%) | Hysteresis |
|---------------|---------------|----------------------|---------------|------------------------|------------|
| 5.0           |               |                      | 5.5           | -7.035                 |            |
| 15.0          |               |                      | 16.2          | -0.254                 |            |
| 25.0          |               |                      | 25.6          | -0.180                 |            |
| 35.0          |               |                      | 35.4          | -0.123                 |            |
| 45.0          |               |                      | 45.5          | -0.043                 |            |
| 50.0          | 49.6          | 0.002                |               |                        |            |
| 55.0          | 54.6          | 0.042                | 55.3          | 0.057                  | 0.014      |
| 65.0          | 64.5          | 0.173                | 65.3          | 0.182                  | 0.010      |
| 75.0          | 74.2          | 0.363                | 75.1          | 0.372                  | 0.009      |
| 85.0          | 84.1          | 0.679                | 85.2          | 0.692                  | 0.013      |
| 95.0          | 95.4          | 1.545                | 95.4          | 1.545                  |            |

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Fig. 18

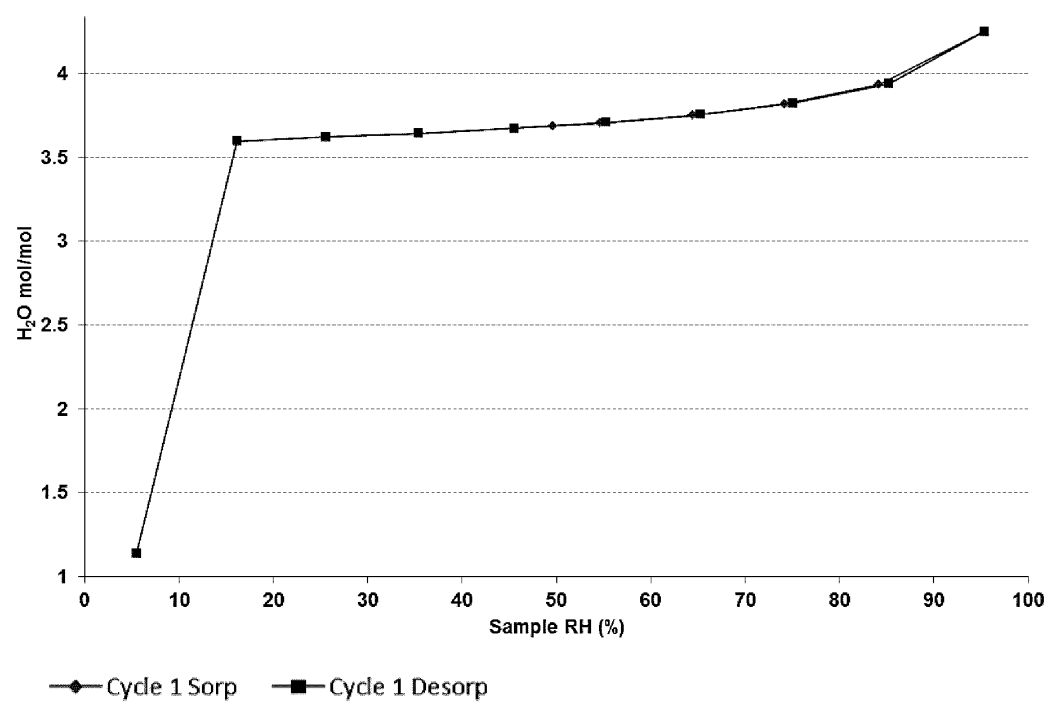
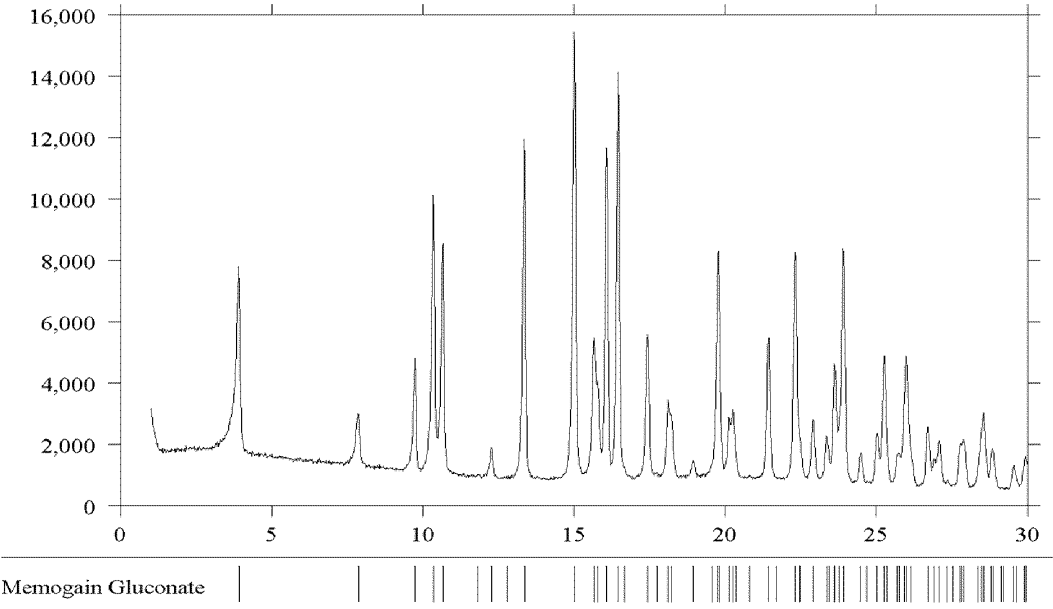


Fig. 19



|                   | Memogain Gluconate   |
|-------------------|----------------------|
| Bravais Type      | Primitive Monoclinic |
| a [Å]             | 9.077                |
| b [Å]             | 6.930                |
| c [Å]             | 22.460               |
| α [deg]           | 90                   |
| β [deg]           | 92.46                |
| γ [deg]           | 90                   |
| Volume [Å³/cell]  | 1,411.5              |
| Chiral Contents?  | Chiral               |
| Extinction Symbol | P 1 2 <sub>1</sub> 1 |
| Space Group(s)    | P2 <sub>1</sub> (4)  |
| Source            | Triads® Algorithm    |

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Fig. 20

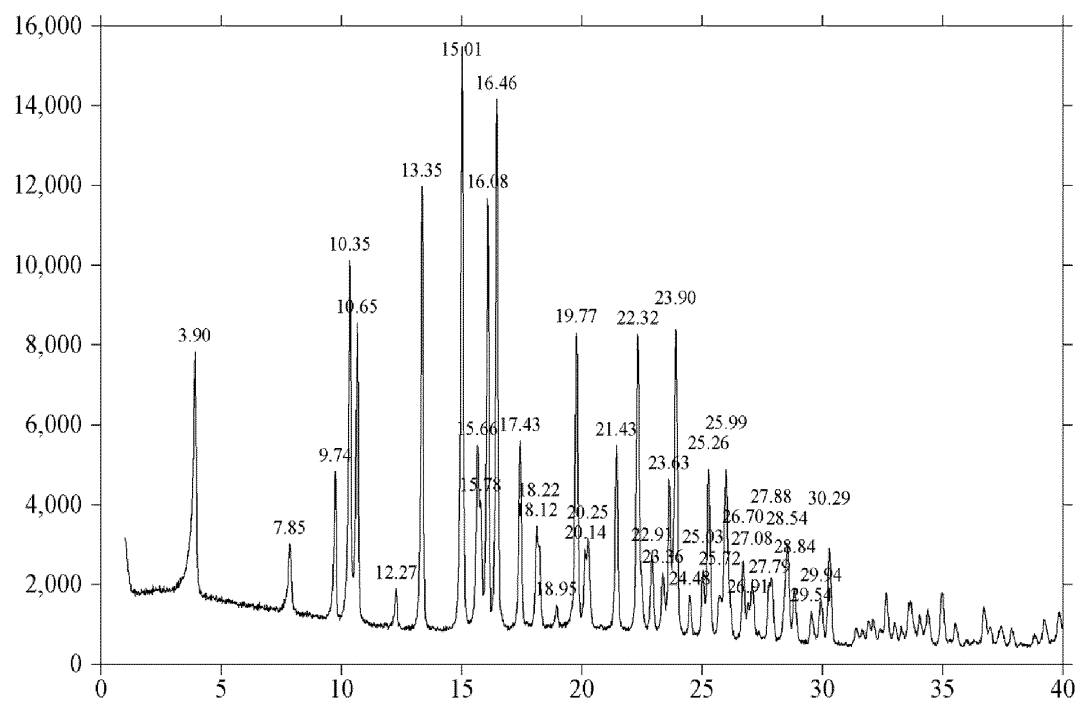
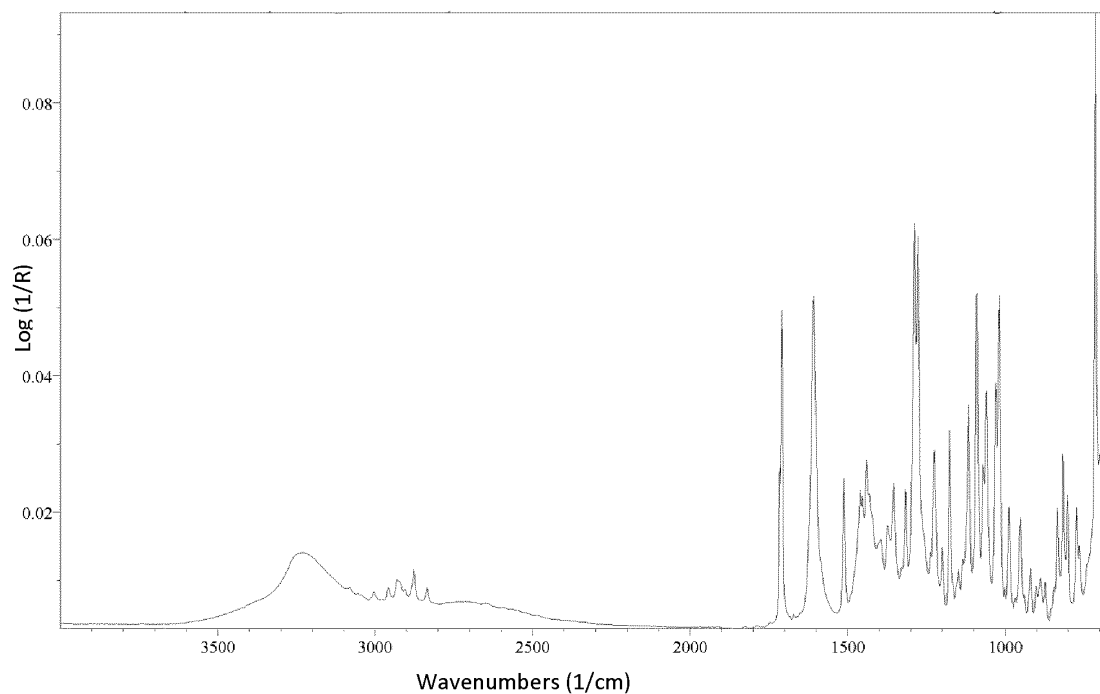
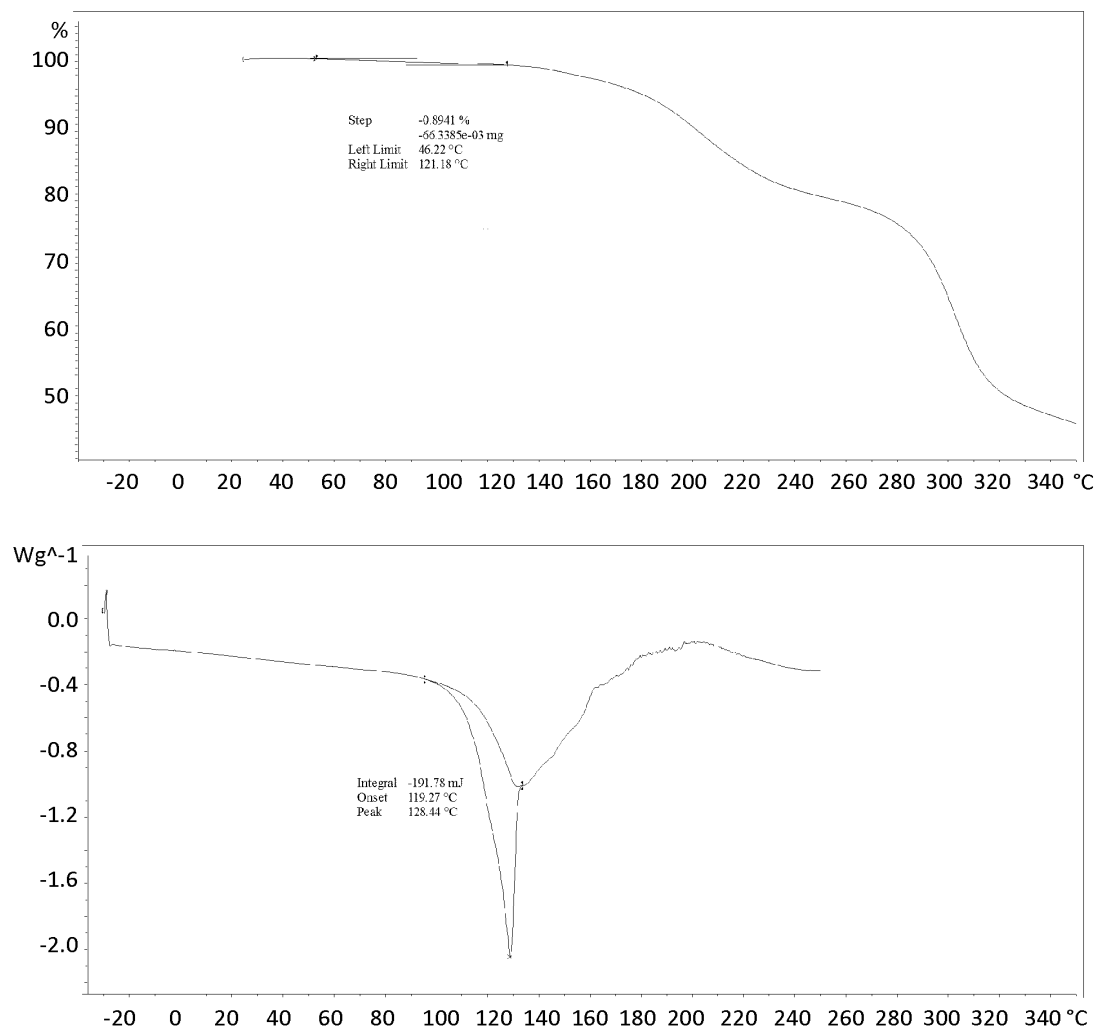


Fig. 21



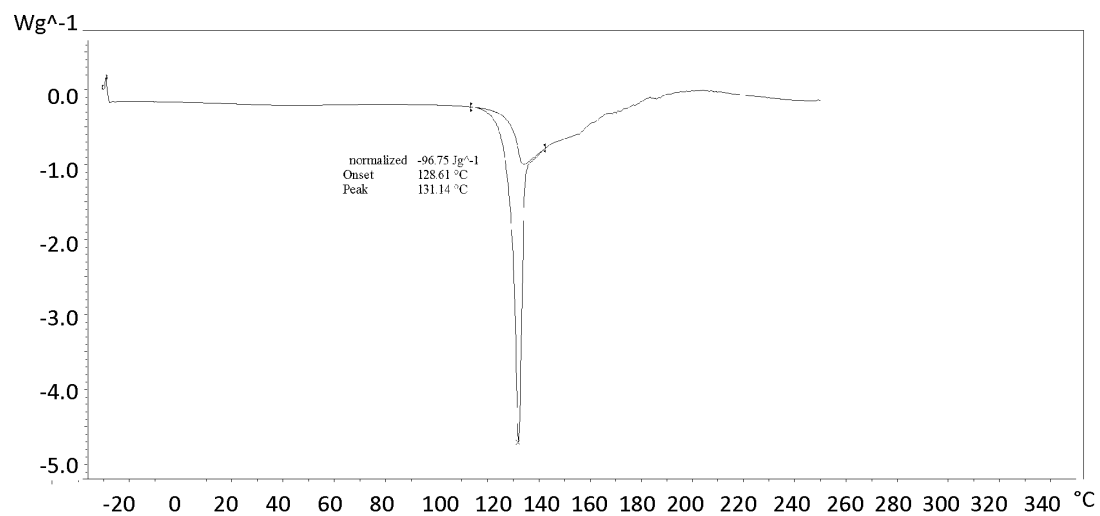
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Fig. 22



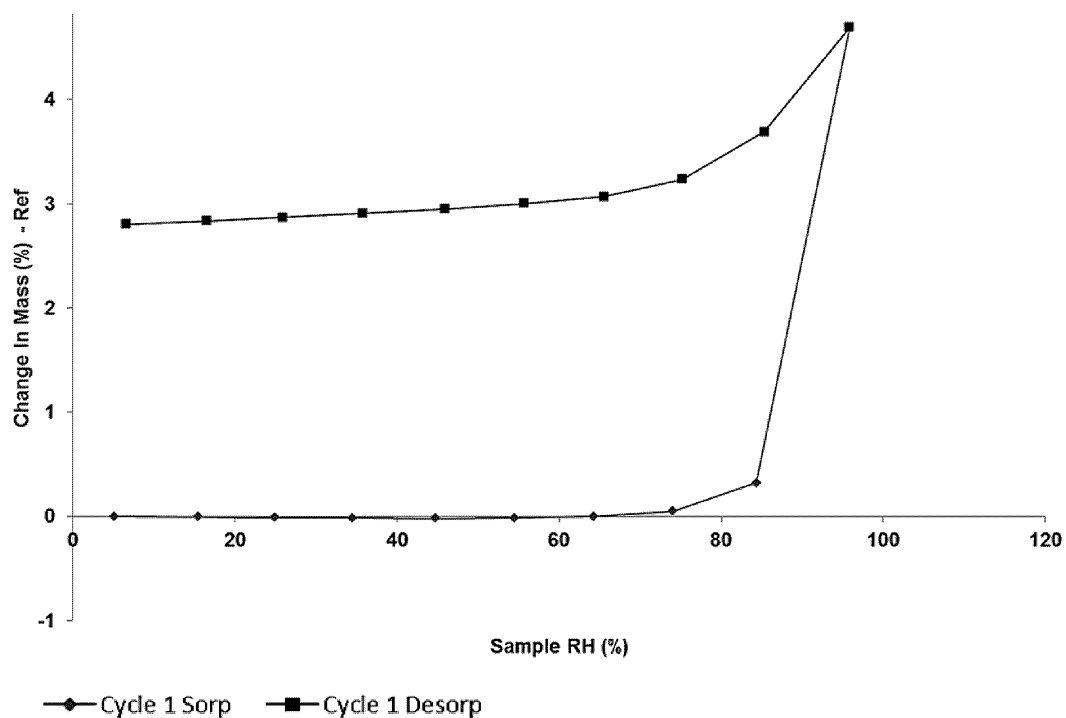
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Fig. 23



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Fig. 24



| Target | Sample | Sorp   | Sample | Desorp |            |
|--------|--------|--------|--------|--------|------------|
| RH (%) | RH (%) | Mass   | RH (%) | Mass   |            |
|        |        | Change |        | Change | Hysteresis |
|        |        | (%)    |        | (%)    |            |
| 5.0    | 5.1    | 0.000  | 6.6    | 2.803  |            |
| 15.0   | 15.5   | -0.004 | 16.5   | 2.835  | 2.839      |
| 25.0   | 24.9   | -0.012 | 25.9   | 2.869  | 2.881      |
| 35.0   | 34.5   | -0.017 | 35.8   | 2.907  | 2.924      |
| 45.0   | 44.8   | -0.018 | 45.9   | 2.950  | 2.968      |
| 55.0   | 54.5   | -0.015 | 55.7   | 3.003  | 3.017      |
| 65.0   | 64.3   | 0.001  | 65.6   | 3.070  | 3.069      |
| 75.0   | 74.0   | 0.048  | 75.2   | 3.234  | 3.186      |
| 85.0   | 84.4   | 0.322  | 85.4   | 3.691  | 3.369      |
| 95.0   | 95.8   | 4.692  | 95.8   | 4.692  |            |

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Fig. 25

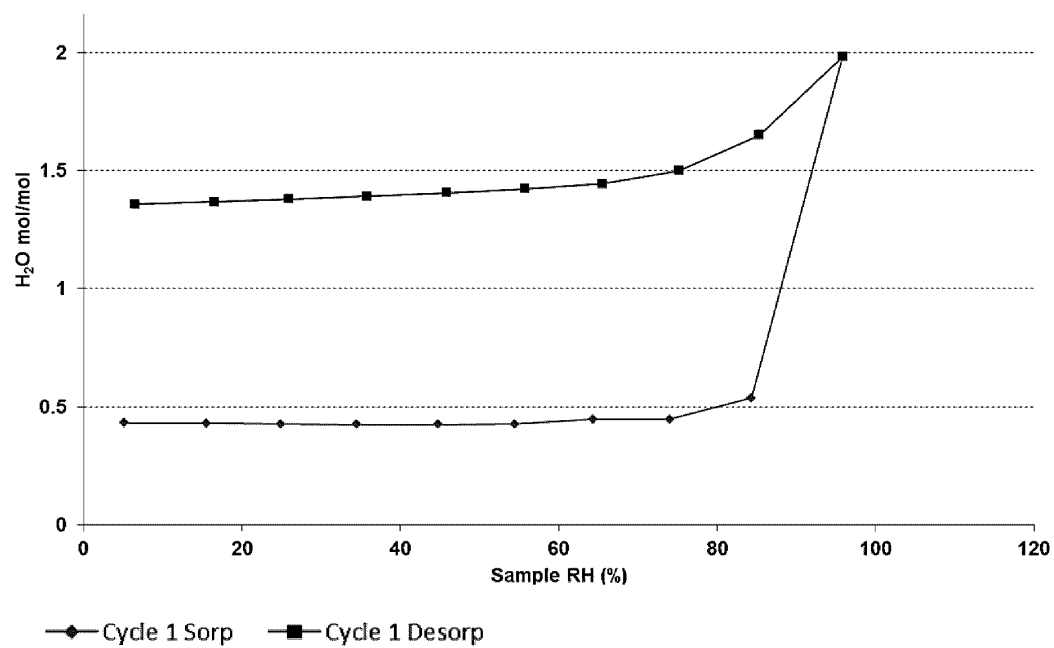


Fig. 26

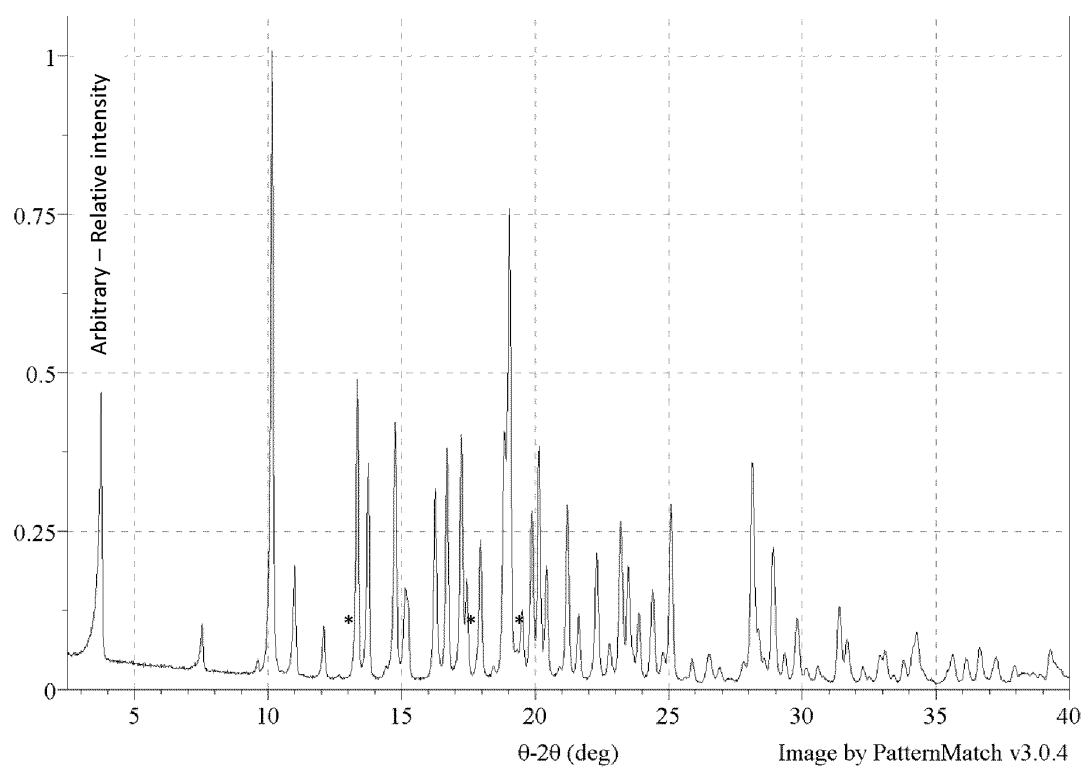
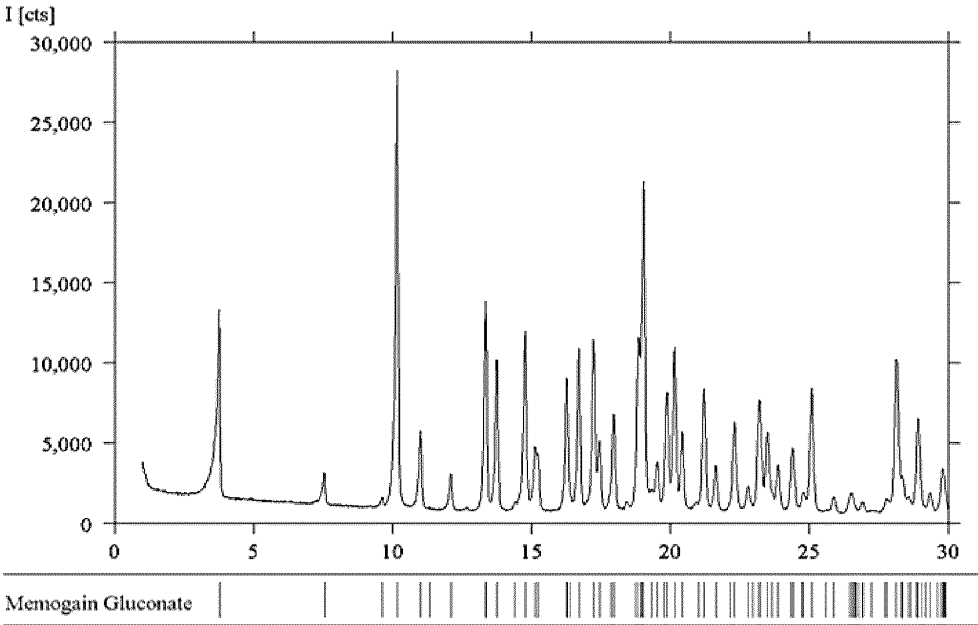


Fig. 27



|                               | Memogain Gluconate                                 |
|-------------------------------|----------------------------------------------------|
| Bravais Type                  | Primitive<br>Orthorhombic                          |
| a [Å]                         | 6.691                                              |
| b [Å]                         | 9.360                                              |
| c [Å]                         | 46.782                                             |
| α [deg]                       | 90                                                 |
| β [deg]                       | 90                                                 |
| γ [deg]                       | 90                                                 |
| Volume [Å <sup>3</sup> /cell] | 2,929.9                                            |
| Chiral Contents?              | Chiral                                             |
| Extinction Symbol             | P 2 <sub>1</sub> 2 <sub>1</sub> 2 <sub>1</sub>     |
| Space Group(s)                | P2 <sub>1</sub> 2 <sub>1</sub> 2 <sub>1</sub> (19) |
| Source                        | Manual Input                                       |

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Fig. 28

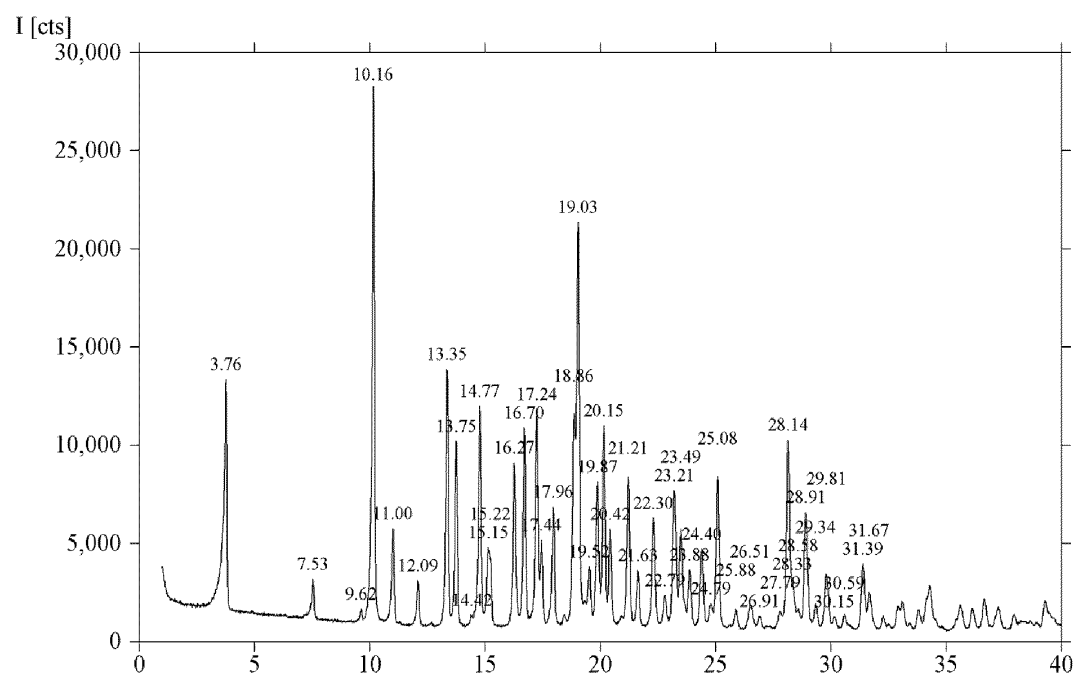
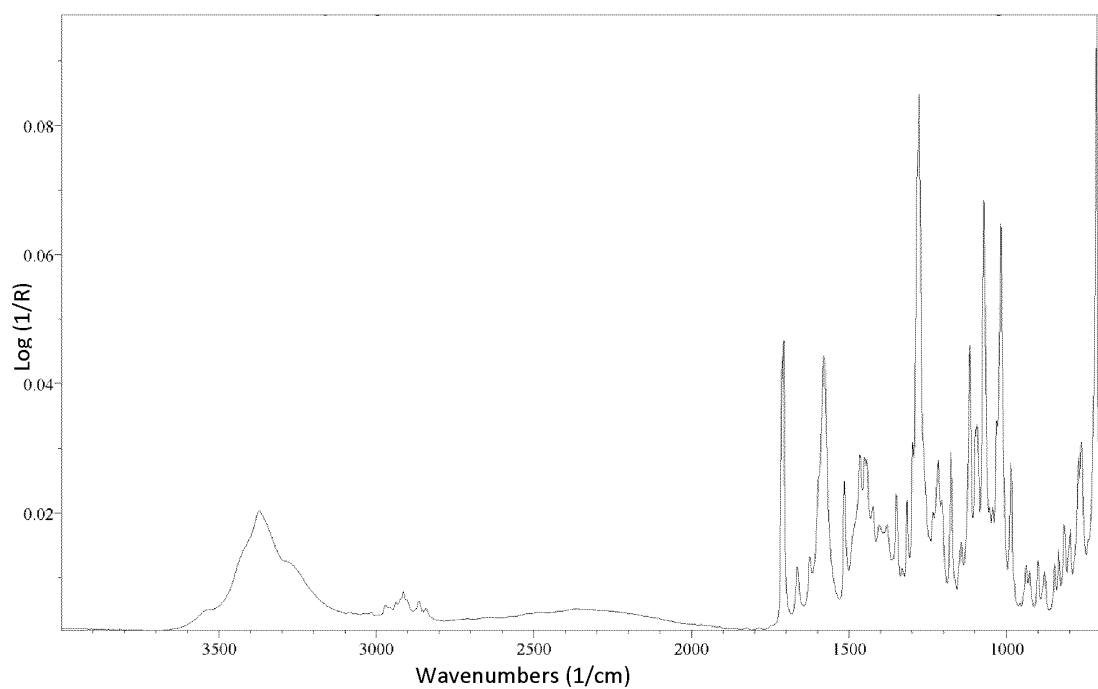
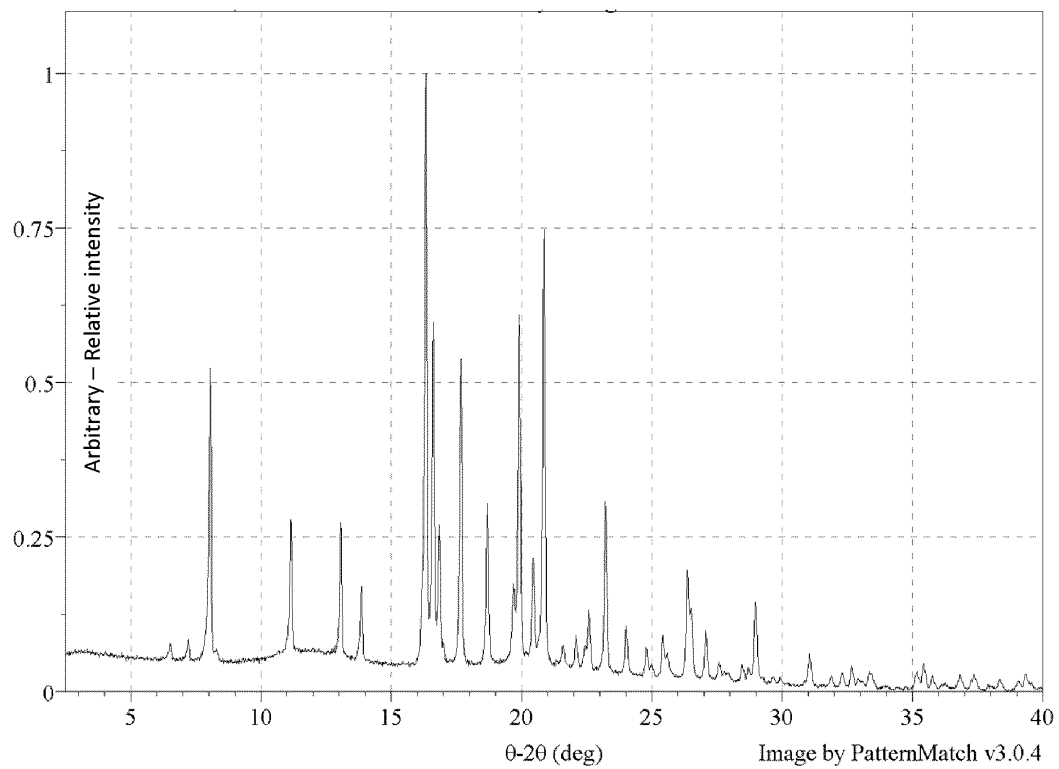


Fig. 29



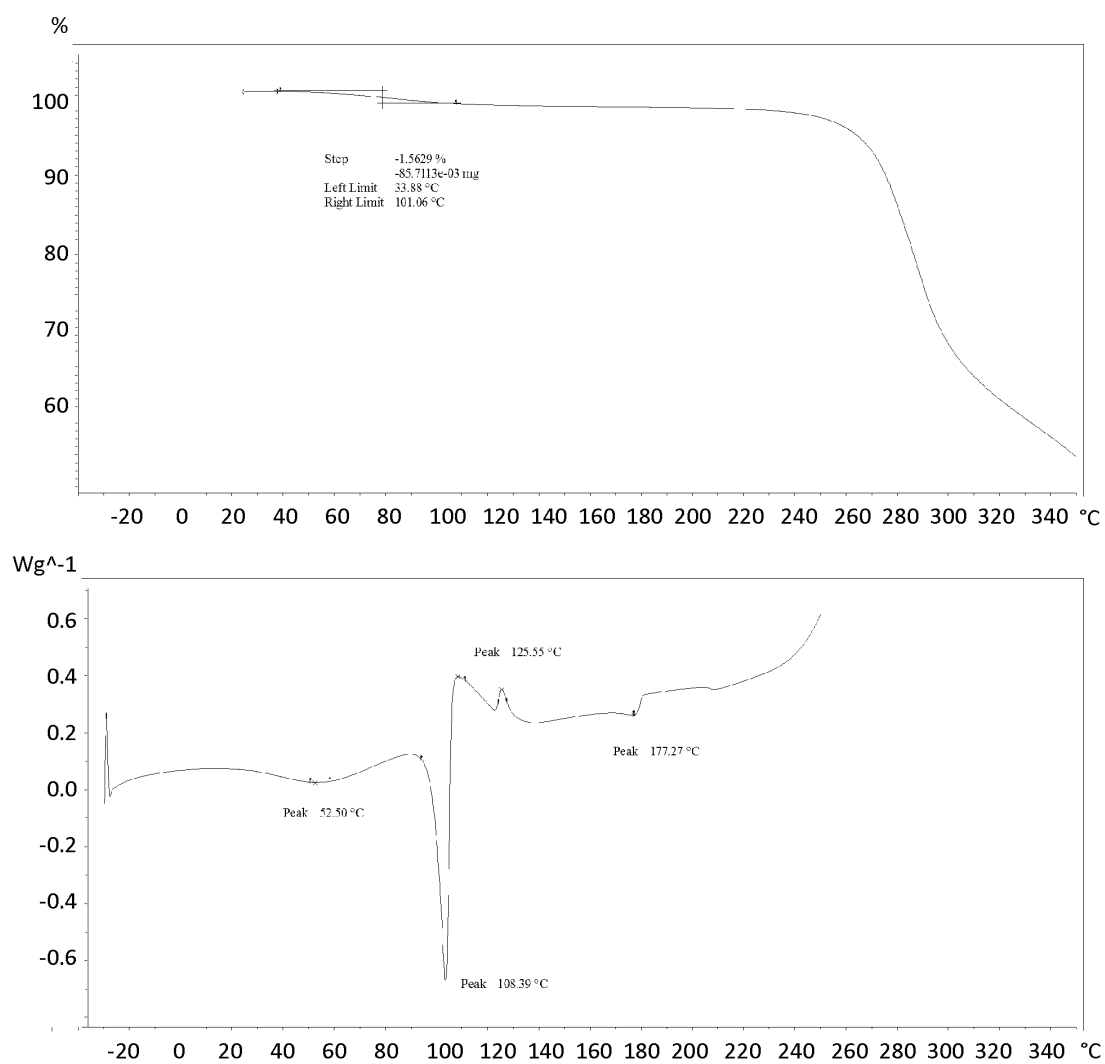
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Fig. 30



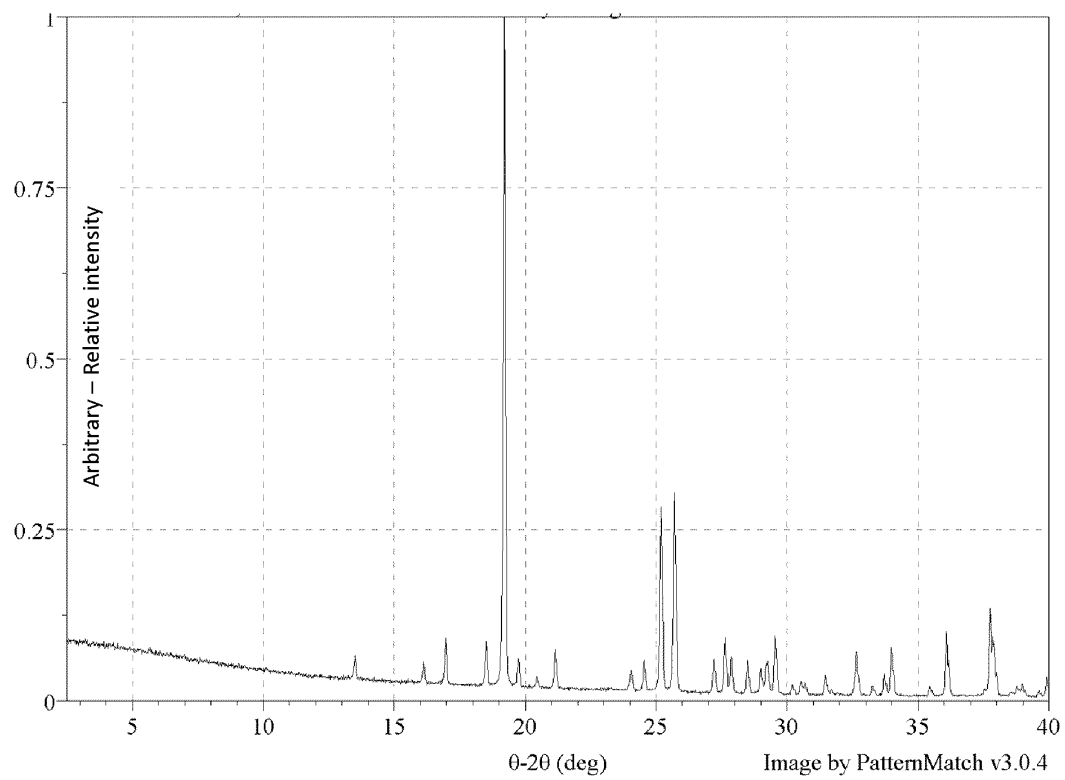
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Fig. 31



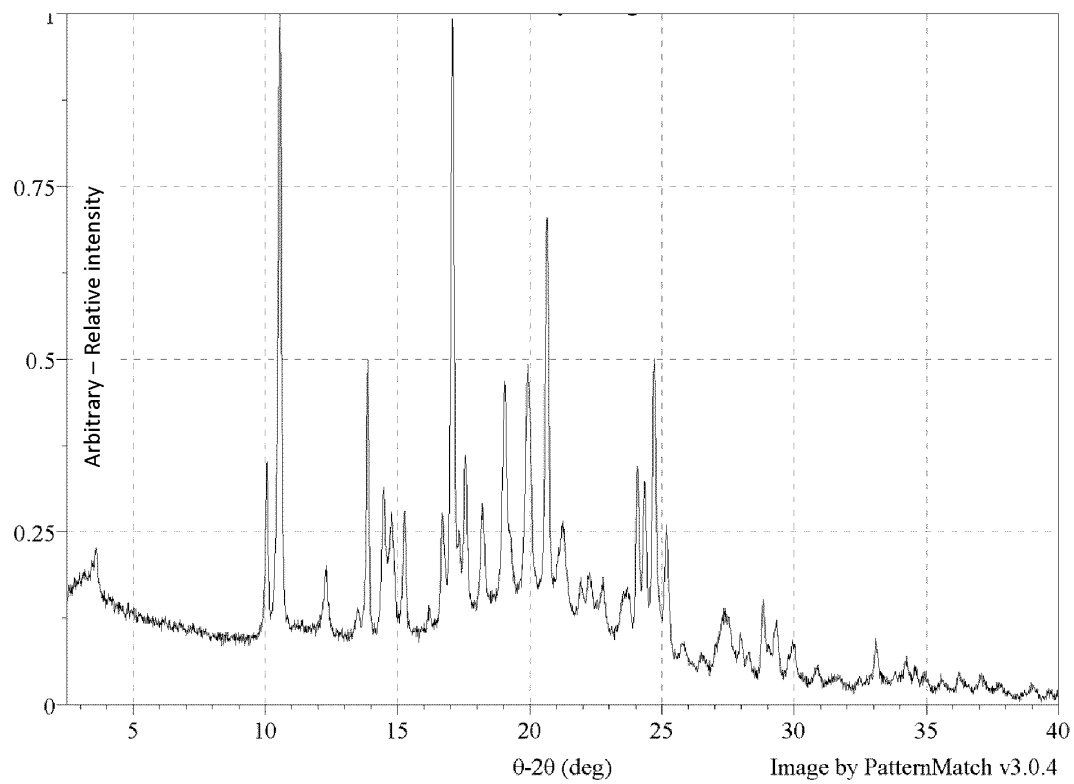
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Fig. 32



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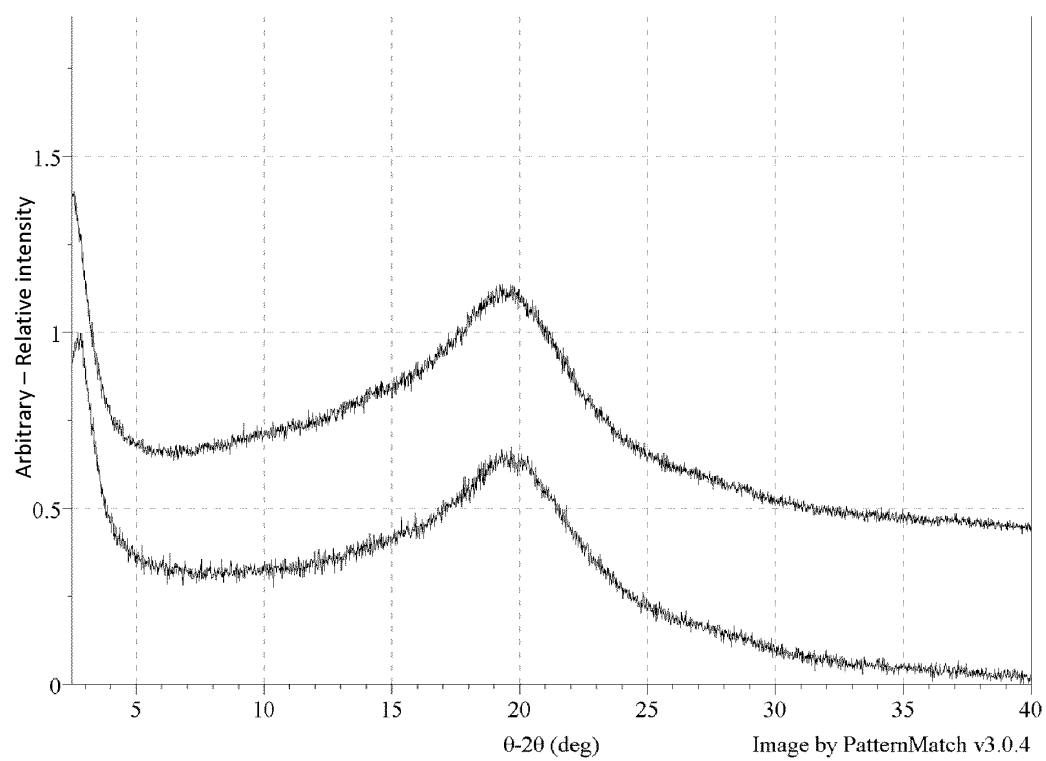
Fig. 33



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Fig. 34

Top to bottom:  
Generated from a melt quench of Form A  
Reanalysis of material after 5 weeks



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Fig. 35

