

## Certificate of Analysis

**Product Description:** Heptakis(2,6-di-O-methyl)-beta-cyclodextrin**Catalog Number:** 157320**Lot:** YD01018**Formula :** C<sub>56</sub>H<sub>98</sub>O<sub>35</sub>**CAS #:** 51166-71-3**Physical Description:** White Powder**Formula Weight:** 1331.4**Storage:** 15 - 30 °C

| Test          | Specification         | Result                |
|---------------|-----------------------|-----------------------|
| Identity Test | Passes                | Passes                |
| FTIR          | Conforms to Reference | Conforms to Reference |
| Melting Point | Record Result         | 181 - 185°C           |

Assay: 99.9%

Specific Rotation: +162°

pH (aq soln): 6.1

Average Degree of Substitution: 12.4

Loss on Drying: 3.2%

beta-Cyclodextrin: 0.03%

Residue on Ignition: 0.07%

Heavy Metals: &lt;10 ppm

Chloride: &lt;0.2%

Total Aerobic Microbial Count: &lt;10 CFU/g

Total Yeast and Mold: &lt;10 CFU/g

*E. coli*: Not Detected

Recommended Retest Date (MM/DD/YYYY): 01/12/2025



02/06/2023 - Lily Liu

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