

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
February 11, 2014**

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Ignyta, Inc.

File No. 333-183886- CF#30321

Ignyta, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from an Exhibit to a Form 8-K filed on November 1, 2013.

Based on representations by Ignyta, Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit will not be released to the public for the time period specified:

Exhibit 10.4 through November 4, 2016

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Elizabeth M. Murphy
Secretary