| NOVO NORDISK A S Form 6-K May 29, 2018 |
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| UNITED STATES |
| SECURITIES AND EXCHANGE COMMISSION |
| Washington, D.C. 20549 |
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| FORM 6-K |
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| REPORT OF FOREIGN PRIVATE ISSUER |
| Pursuant to Rule 13a-16 or 15d-16 |
| of the Securities Exchange Act of 1934 |
| |
| May 28, 2018 |
| |
| NOVO NODDICK A G |
| NOVO NORDISK A/S |
| (Exact name of Registrant as specified in its charter) |
| |
| Novo Allé |

DK-2880, Bagsvaerd

Denmark

| (Address of principal executive offices) |
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| Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F |
| Form 20-F [X] Form 40-F [] |
| Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934 |
| Yes [] No [X] |
| If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g-32(b):82 |

Novo Nordisk A/S – Share repurchase programme

Bagsværd, Denmark, 28 May 2018 – On 4 May 2018, Novo Nordisk initiated a share repurchase programme in accordance with Article 5 of Regulation No. 596/2014 of the European Parliament and Council of 16 April 2014 (MAR), also referred to as the Safe Harbour rules. This programme is part of the overall share repurchase programme of up to DKK 14 billion to be executed during a 12-month period beginning 1 February 2018.

Under the programme initiated 4 May 2018, Novo Nordisk will repurchase B shares for an amount up to DKK 2.7 billion in the period from 7 May 2018 to 6 August 2018.

Since the announcement as of 22 May 2018, the following transactions have been made under the programme:

| | Number of | Average | Transaction |
|---------------------------------|-----------|----------------|-------------|
| | B shares | purchase price | value, DKK |
| Accumulated, last announcement | 1,164,300 | | 354,506,251 |
| 22 May 2018 | 140,000 | 306.79 | 42,950,078 |
| 23 May 2018 | 140,000 | 304.41 | 42,617,535 |
| 24 May 2018 | 140,000 | 305.50 | 42,770,605 |
| 25 May 2018 | 140,000 | 305.15 | 42,720,350 |
| Accumulated under the programme | 1,724,300 | | 525,564,819 |

The details for each transaction made under the share repurchase programme are published on novonordisk.com.

With the transactions stated above, Novo Nordisk owns a total of 26,467,393 B shares of DKK 0.20, corresponding to 1.1% of the share capital, as treasury shares. The total amount of A and B shares in the company is 2,450,000,000 including treasury shares.

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Novo Nordisk expects to repurchase B shares for an amount up to DKK 14 billion during a 12-month period beginning 1 February 2018. As of 25 May 2018, Novo Nordisk has repurchased a total of 16,495,722 B shares at an average share price of DKK 304.15 per B share equal to a transaction value of DKK 5,017,116,158.

Novo Nordisk is a global healthcare company with 95 years of innovation and leadership in diabetes care. This heritage has given us experience and capabilities that also enable us to help people defeat obesity, haemophilia, growth disorders and other serious chronic diseases. Headquartered in Denmark, Novo Nordisk employs approximately 42,700 people in 79 countries and markets its products in more than 170 countries. Novo Nordisk's B shares are listed on Nasdaq Copenhagen (Novo-B). Its ADRs are listed on the New York Stock Exchange (NVO). For more information, visit novonordisk.com, Facebook, Twitter, LinkedIn, YouTube.

Further information

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Novo Allé

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Company announcement No 46 / 2018

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf of the undersigned, thereunto duly authorized.

NOVO NORDISK A/S

Date: May 29, 2018

Lars Fruergaard Jørgensen

Chief Executive Officer