

MiFID II product governance / Retail investors, professional investors and ECPs target market – Solely for the purposes of the manufacturer’s product approval process, the target market assessment in respect of the Certificates has led to the conclusion that: (i) the target market for the Certificates is eligible counterparties, professional clients and retail clients, each as defined in Directive 2014/65/EU (as amended, “**MiFID II**”); and (ii) all channels for distribution to eligible counterparties and professional clients are appropriate; and (iii) the following channels for distribution of the Certificates to retail clients are appropriate - investment advice, portfolio management, non-advised sales and pure execution services - subject to the distributor’s suitability and appropriateness obligations under MiFID II, as applicable. Any person subsequently offering, selling or recommending the Certificates (a “**distributor**”) should take into consideration the manufacturer’s target market assessment; however, a distributor subject to MiFID II is responsible for undertaking its own target market assessment in respect of the Certificates (by either adopting or refining the manufacturer’s target market assessment) and determining appropriate distribution channels, subject to the distributor’s suitability and appropriateness obligations under MiFID II, as applicable.

S&P 500 Index is provided by S&P Dow Jones Indices LLC. S&P Dow Jones Indices LLC appears in the register of administrators and benchmarks established and maintained by ESMA pursuant to Article 36 of the Benchmark Regulation.

Nikkei 225 Index is provided by Nikkei Inc and Nikkei Digital Media Inc. Nikkei Inc and Nikkei Digital Media Inc does not appear in the register of administrators and benchmarks established and maintained by ESMA pursuant to Article 36 of the Benchmark Regulation.

MDAX Index is provided by Stoxx Ltd.. Stoxx Ltd. appears in the register of administrators and benchmarks established and maintained by ESMA pursuant to Article 36 of the Benchmark Regulation.

DAX® Index is provided by Stoxx ltd. Stoxx ltd appears in the register of administrators and benchmarks established and maintained by ESMA pursuant to Article 36 of the Benchmark Regulation.

AEX Index is provided by Euronext. Euronext does not appear in the register of administrators and benchmarks established and maintained by ESMA pursuant to Article 36 of the Benchmark Regulation.

As far as the Issuer is aware, the transitional provisions in Article 51 of the Benchmark Regulation apply, such that Euronext and Nikkei Inc and Nikkei Digital Media Inc are currently not required to obtain authorisation or registration (or, if located outside the European Union, recognition, endorsement or equivalence).

Final Terms dated 05 November 2019

ING Bank N.V.

Legal entity identifier (LEI): 3TK20IVIUJ8J3ZU0QE75

Issue of

| Series number of the Certificates | WKN Code | ISIN Code | Number of Certificates being issued | Title |
|--|-----------------|------------------|--|--|
| 102665 | NG2VN9 | DE000NG2VN92 | 2000000 | ING Long Index Mini Future Certificate |
| 102666 | NG2VPA | DE000NG2VPA6 | 2000000 | ING Long Index Mini Future Certificate |

| | | | | |
|--------|--------|--------------|---------|--|
| 102667 | NG2VPB | DE000NG2VPB4 | 2000000 | ING Long Index Mini Future Certificate |
| 102668 | NG2VPC | DE000NG2VPC2 | 2000000 | ING Long Index Mini Future Certificate |
| 102669 | NG2VPD | DE000NG2VPD0 | 2000000 | ING Long Index Mini Future Certificate |
| 102670 | NG2VPE | DE000NG2VPE8 | 2000000 | ING Long Index Mini Future Certificate |
| 102671 | NG2VPF | DE000NG2VPF5 | 2000000 | ING Long Index Mini Future Certificate |
| 102672 | NG2VPG | DE000NG2VPG3 | 2000000 | ING Long Index Mini Future Certificate |
| 102673 | NG2VPH | DE000NG2VPH1 | 2000000 | ING Long Index Mini Future Certificate |
| 102674 | NG2VPJ | DE000NG2VPJ7 | 2000000 | ING Long Index Mini Future Certificate |
| 102675 | NG2VPK | DE000NG2VPK5 | 2000000 | ING Long Index Mini Future Certificate |
| 102676 | NG2VPL | DE000NG2VPL3 | 2000000 | ING Long Index Mini Future Certificate |
| 102677 | NG2VPM | DE000NG2VPM1 | 2000000 | ING Long Index Mini Future Certificate |
| 102678 | NG2VPN | DE000NG2VPN9 | 2000000 | ING Long Index Mini Future Certificate |
| 102679 | NG2VPP | DE000NG2VPP4 | 2000000 | ING Long Index Mini Future Certificate |
| 102680 | NG2VPQ | DE000NG2VPQ2 | 2000000 | ING Long Index Mini Future Certificate |
| 102681 | NG2VPR | DE000NG2VPR0 | 2000000 | ING Long Index Mini Future Certificate |
| 102682 | NG2VPS | DE000NG2VPS8 | 2000000 | ING Long Index Mini Future Certificate |
| 102683 | NG2VPT | DE000NG2VPT6 | 2000000 | ING Long Index Mini Future Certificate |

**under the
Certificates Programme**

Any person making or intending to make an offer of the Certificates may only do so:

- (i) in that Public Offer Jurisdiction mentioned in the Paragraph Distribution of Part B below, provided such person is of a kind specified in that paragraph; or
- (ii) otherwise in circumstances in which no obligation arises for the Issuer or any Dealer to publish a prospectus pursuant to Article 3 of the Prospectus Directive or to supplement a prospectus pursuant to Article 16 of the Prospectus Directive, in each case, in relation to such offer.

Neither the Issuer nor any Dealer has authorised, nor do they authorise, the making of any offer of Certificates in any other circumstances.

PART A – CONTRACTUAL TERMS

Terms used herein shall be deemed to be defined as such for the purposes of the conditions set forth in the General Certificate Conditions and the relevant Product Conditions contained in this Base Prospectus dated 6 May 2019 as supplemented from time to time (the “Prospectus”) which constitutes a base prospectus for the purposes of Directive 2003/71/EC, as amended, to the extent that such amendments have been implemented in the relevant Member State of the European Economic Area, (the “**Prospectus Directive**”). This document constitutes the Final Terms applicable to the issue of Certificates described herein for the purposes of Article 5.4 of the Prospectus Directive (as implemented by the Dutch Financial Supervision Act (*Wet op het financieel toezicht*) and its implementing regulations) and must be read in conjunction with such Prospectus. Full information on the Issuer and the offer of the Certificates is only available on the basis of the combination of these Final Terms and the Prospectus. Copies of the Prospectus may be obtained from ING Bank N.V. at Foppingadreef 7, 1102 BD Amsterdam, The Netherlands (E-mail: info@sprinters.nl) and are available for viewing on the website www.ingmarkets.de.

GENERAL DESCRIPTION OF THE CERTIFICATES

| | | |
|----|---|---|
| 1 | (a) Series number of the Certificates: | As specified in the table below |
| | (b) Whether or not the Certificates are to be consolidated and form a single series with the Certificates of an existing series: | Not Applicable |
| 2 | (a) The type of Certificates which may be Index Certificates, Share Certificates, Currency Certificates, Commodity Certificates, Fund Certificates, Government Bond Certificates or Index Futures Certificates: | Index Certificates |
| | (b) Whether such Certificates are Best Certificates, Limited Certificates, Open Ended Certificates or Fixed Leverage. | Open Ended Certificates (Marketing name: Mini Futures) |
| | (c) Whether such Certificates are Long Certificates or Short Certificates: | Long Certificates |
| 3 | Number of Certificates being issued: | As specified in the table below |
| 4 | Issue Price per Certificate: | As specified in the table below |
| 5 | Trade Date: | 06 November 2019 |
| 6 | Issue Date: | 08 November 2019 |
| 7 | "as-if-and-when-issued" trading: | Not Applicable |
| 8 | Current Financing Level on the Trade Date: | As specified in the table below |
| 9 | Current Spread on the Trade Date: | As specified in the table below |
| 10 | Maximum Spread: | As specified in the table below |
| 11 | Current Stop Loss Premium Rate on the Trade Date: | As specified in the table below |
| 12 | Maximum Premium: | As specified in the table below |
| 13 | Minimum Premium: | As specified in the table below |
| 14 | Stop Loss Price on the Trade Date: | As specified in the table below |
| 15 | Stop Loss Price Rounding: | As specified in the table below |
| 16 | Entitlement: | As specified in the table below |
| 17 | Financing Level Currency: | As specified in the table below |
| 18 | Settlement Currency: | EUR |
| 19 | Exercise Time: | 12:00 AM Central European Time |
| 20 | Cash Settlement Amount: | As specified in the Index Certificate Conditions |
| 21 | Final Valuation Date: | Not Applicable |

| | | |
|----|--|---|
| 22 | Valuation Date(s): | Annually, commencing on the date one year after the Issue Date. |
| 23 | Applicable Business Day Centre(s) for the purposes of the definition of "Business Day" | Amsterdam |

| Series Number of the Certificates | ISIN Code | Number of Certificates being issued | Issue price per Certificate | Current Financing Level on the Trade Date | Current Spread on the Trade Date | Maximum Spread | Current Stop Loss Premium Rate on the Trade Date | Maximum Premium | Minimum Premium | Stop Loss Price on the Trade Date | Stop Loss Price Rounding | Entitlement | Financing Level Currency |
|-----------------------------------|--------------|-------------------------------------|-----------------------------|---|----------------------------------|----------------|--|-----------------|-----------------|-----------------------------------|--------------------------|-------------|--------------------------|
| 102665 | DE000NG2VN92 | 2000000 | 5.14 | 537.1274000000 | 3.5 | 5.0 | 2.0 | 20.0 | 0.0 | 548.0000000000 | 1.0 | 0.1 | EUR |
| 102666 | DE000NG2VPA6 | 2000000 | 3.0 | 12860.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 13060.0000000000 | 10.0 | 0.01 | EUR |
| 102667 | DE000NG2VPB4 | 2000000 | 3.2 | 12840.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 13040.0000000000 | 10.0 | 0.01 | EUR |
| 102668 | DE000NG2VPC2 | 2000000 | 3.4 | 12820.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 13020.0000000000 | 10.0 | 0.01 | EUR |
| 102669 | DE000NG2VPD0 | 2000000 | 3.6 | 12800.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 13000.0000000000 | 10.0 | 0.01 | EUR |
| 102670 | DE000NG2VPE8 | 2000000 | 4.4 | 12720.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 12920.0000000000 | 10.0 | 0.01 | EUR |
| 102671 | DE000NG2VPF5 | 2000000 | 4.8 | 12680.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 12880.0000000000 | 10.0 | 0.01 | EUR |
| 102672 | DE000NG2VPG3 | 2000000 | 5.2 | 12640.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 12840.0000000000 | 10.0 | 0.01 | EUR |
| 102673 | DE000NG2VPH1 | 2000000 | 5.4 | 12620.6868000000 | 3.5 | 5.0 | 1.5 | 20.0 | 0.0 | 12810.0000000000 | 10.0 | 0.01 | EUR |
| 102674 | DE000NG2VPJ7 | 2000000 | 0.87 | 22196.3106000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 22870.0000000000 | 10.0 | 0.1 | JPY |
| 102675 | DE000NG2VPK5 | 2000000 | 1.0 | 22046.3106000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 22710.0000000000 | 10.0 | 0.1 | JPY |
| 102676 | DE000NG2VPL3 | 2000000 | 1.12 | 21896.3106000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 22560.0000000000 | 10.0 | 0.1 | JPY |
| 102677 | DE000NG2VPM1 | 2000000 | 0.99 | 2967.7082000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 3057.0000000000 | 1.0 | 0.01 | USD |
| 102678 | DE000NG2VPN9 | 2000000 | 1.08 | 2957.7082000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 3047.0000000000 | 1.0 | 0.01 | USD |
| 102679 | DE000NG2VPP4 | 2000000 | 1.17 | 2947.7082000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 3037.0000000000 | 1.0 | 0.01 | USD |
| 102680 | DE000NG2VPQ | 2000000 | 1.26 | 2937.7082000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 3026.0000000000 | 1.0 | 0.01 | USD |

| | | | | | | | | | | | | | |
|--------|------------------|---------|------|----------------------|-----|-----|-----|------|-----|----------------------|------|-------|-----|
| | 2 | | | 00000 | | | | | | 00000 | | | |
| 102681 | DE000NG2VPR 0 | 2000000 | 1.13 | 25734.5727 000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 26510.0000 000000 | 10.0 | 0.001 | EUR |
| 102682 | DE000NG2VPS 8 | 2000000 | 1.33 | 25534.5727 000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 26310.0000 000000 | 10.0 | 0.001 | EUR |
| 102683 | DE000NG2VPT 6 | 2000000 | 1.53 | 25334.5727 000000 | 3.5 | 5.0 | 3.0 | 20.0 | 0.0 | 26100.0000 000000 | 10.0 | 0.001 | EUR |

ADDITIONAL SPECIFIC PRODUCT RELATED PROVISIONS:

| | | |
|----|-------------------------------------|------------|
| 24 | Index Certificate Provisions | Applicable |
|----|-------------------------------------|------------|

| Series Number of the Certificates | ISIN Code | (i) Details of the Index | (ii) Exchange | (iii) Notional Dividend Period |
|-----------------------------------|--------------|---|--|--|
| 102665 | DE000NG2VN92 | AEX Index (Bloomberg code: AEX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102666 | DE000NG2VPA6 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102667 | DE000NG2VPB4 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102668 | DE000NG2VPC2 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102669 | DE000NG2VPD0 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102670 | DE000NG2VPE8 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102671 | DE000NG2VPF5 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102672 | DE000NG2VPG3 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102673 | DE000NG2VPH1 | DAX® Index (Bloomberg code: DAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102674 | DE000NG2VPJ7 | Nikkei 225 Index (Bloomberg code: NKY <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102675 | DE000NG2VPK5 | Nikkei 225 Index (Bloomberg code: NKY <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102676 | DE000NG2VPL3 | Nikkei 225 Index (Bloomberg code: NKY <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102677 | DE000NG2VPM1 | S&P 500 Index (Bloomberg code: SPX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102678 | DE000NG2VPN9 | S&P 500 Index (Bloomberg code: SPX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102679 | DE000NG2VPP4 | S&P 500 Index (Bloomberg code: SPX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102680 | DE000NG2VPQ2 | S&P 500 Index (Bloomberg code: SPX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102681 | DE000NG2VPR0 | MDAX Index (Bloomberg code: MDAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |

| | | | | |
|--------|------------------|---|--|--|
| 102682 | DE000NG2VPS 8 | MDAX Index (Bloomberg code: MDAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |
| 102683 | DE000NG2VPT 6 | MDAX Index (Bloomberg code: MDAX <Index>) | As specified in the Index Certificate Conditions | As specified in the Index Certificate Conditions |

| | | |
|----|---|----------------|
| 25 | Share Certificate Provisions | Not Applicable |
| 26 | Currency Certificate Provisions | Not Applicable |
| 27 | Commodity Certificate Provisions | Not Applicable |
| 28 | Fund Certificate Provisions | Not Applicable |
| 29 | Government Bond Certificate Provisions | Not Applicable |
| 30 | Index Futures Certificate Provisions | Not Applicable |

Signed on behalf of the Issuer:

By:

Duly authorised

By:

Duly authorised

PART B – OTHER INFORMATION

1 LISTING

| | |
|---|---|
| (i) Listing: | The Freiverkehr section of the Frankfurt Stock Exchange |
| (ii) Admission to trading: | Application is expected to be made by the Issuer (or on its behalf) for the Certificates to be admitted to trading on The Freiverkehr section of the Frankfurt Stock Exchange |
| (iii) Estimate of total expenses related to admission to trading: | EUR 500 |

2 RATINGS

| | |
|----------|---|
| Ratings: | The Certificates to be issued will not be rated |
|----------|---|

3 INTERESTS OF NATURAL AND LEGAL PERSONS INVOLVED IN THE ISSUE

Save for any fees payable to the Dealers, so far as the Issuer is aware, no person involved in the offer of the Certificates has an interest material to the offer. The Dealers and their affiliates have engaged, and may in the future engage, in investment banking and/or commercial banking transactions with, and may perform other services for, the Issuer and its affiliates in the ordinary course of business.

4 REASONS FOR THE OFFER, ESTIMATED NET PROCEEDS AND TOTAL EXPENSES

| | |
|-------------------------------|---|
| (i) Reasons for the offer | See “Use of Proceeds” wording in Base Prospectus |
| (ii) Estimated total expenses | The terms of the Public Offer do not provide for any expenses and/or taxes to be charged to any purchaser of the Certificates |

5 INFORMATION CONCERNING THE UNDERLYING

| Underlying | Information on the underlying can be obtained on source of information. |
|-------------------|---|
| S&P 500 Index | The return on the Certificates is linked to the performance of the underlying Index. The price of the Index may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Index will affect the value of the Certificates. Information and details of the past and future performance of the Index and its volatility can be obtained from Bloomberg (Bloomberg code: SPX <Index>) |
| Nikkei 225 Index | The return on the Certificates is linked to the performance of the underlying Index. The price of the Index may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Index will affect the value of the Certificates. Information and details of the past and future performance of the Index and its volatility can be obtained from Bloomberg (Bloomberg code: NKY <Index>) |

| | |
|------------|--|
| MDAX Index | The return on the Certificates is linked to the performance of the underlying Index. The price of the Index may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Index will affect the value of the Certificates. Information and details of the past and future performance of the Index and its volatility can be obtained from Bloomberg (Bloomberg code: MDAX <Index>) |
| AEX Index | The return on the Certificates is linked to the performance of the underlying Index. The price of the Index may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Index will affect the value of the Certificates. Information and details of the past and future performance of the Index and its volatility can be obtained from Bloomberg (Bloomberg code: AEX <Index>) |
| DAX® Index | The return on the Certificates is linked to the performance of the underlying Index. The price of the Index may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Index will affect the value of the Certificates. Information and details of the past and future performance of the Index and its volatility can be obtained from Bloomberg (Bloomberg code: DAX <Index>) |

5 POST-ISSUANCE INFORMATION

Post-issuance information will be made available on the website of the Issuer www.ingmarkets.de, or any successor website. There is no assurance that the Issuer will continue to provide such information for the life of the Certificates.

6 OPERATIONAL INFORMATION

| ISIN Code | (ii) Common Code | (iii) Other relevant code |
|--------------|------------------|---------------------------|
| DE000NG2VN92 | Not Applicable | NG2VN9 |
| DE000NG2VPA6 | Not Applicable | NG2VPA |
| DE000NG2VPB4 | Not Applicable | NG2VPB |
| DE000NG2VPC2 | Not Applicable | NG2VPC |
| DE000NG2VPD0 | Not Applicable | NG2VPD |
| DE000NG2VPE8 | Not Applicable | NG2VPE |
| DE000NG2VPF5 | Not Applicable | NG2VPF |
| DE000NG2VPG3 | Not Applicable | NG2VPG |
| DE000NG2VPH1 | Not Applicable | NG2VPH |
| DE000NG2VPJ7 | Not Applicable | NG2VPJ |
| DE000NG2VPK5 | Not Applicable | NG2VPK |
| DE000NG2VPL3 | Not Applicable | NG2VPL |
| DE000NG2VPM1 | Not Applicable | NG2VPM |
| DE000NG2VPN9 | Not Applicable | NG2VPN |
| DE000NG2VPP4 | Not Applicable | NG2VPP |
| DE000NG2VPQ2 | Not Applicable | NG2VPQ |
| DE000NG2VPR0 | Not Applicable | NG2VPR |

| | | |
|--------------|----------------|--------|
| DE000NG2VPS8 | Not Applicable | NG2VPS |
| DE000NG2VPT6 | Not Applicable | NG2VPT |

| | |
|--|--|
| (iv) Name of the Principal Certificate Agent | BNP Paribas Securities Services S.C.A. |
|--|--|

7 DISTRIBUTION

| | |
|---|---|
| (iv) Details of any clearing system other than Euroclear Netherlands: | Clearstream Banking AG, Eschbom |
| (a) details of the appropriate clearing code/number: | Not Applicable |
| (b) further details regarding the form of Certificates | German Certificates |
| (ii) Non-exempt offer: | An offer of Certificates may be made by the Issuer other than pursuant to Article 3(2) of the Prospectus Directive in Germany (the “ Public Offer Jurisdiction ”). |
| (iii) Prohibition of Sales to EEA Retail Investors: | Not Applicable |

8 GENERAL

| | |
|---|---|
| Conditions to which the offer is subject: | There is no subscription period and the offer of Certificates is not subject to any conditions imposed by the Issuer. |
|---|---|

ANNEX

ISSUE SPECIFIC SUMMARY OF THE CERTIFICATES AND THE KEY INFORMATION DOCUMENT ARE AVAILABLE ON THE WEBSITE OF THE ISSUER WWW.INGMARKETS.DE

Index Disclaimer

The Certificates are not sponsored, endorsed, sold or promoted by the Index or of the Index Sponsor and the Index Sponsor has not made any representation whatsoever, whether express or implied, either as to the results to be obtained from the use of the Index and/or the levels at which the Index stands at any particular time on any particular date or otherwise. The Index Sponsor shall not be liable (whether in negligence or otherwise) to any person for any error in the Index and the Index Sponsor are not under any obligation to advise any person of any error therein. The Index Sponsor has made no representation whatsoever, whether express or implied, as to the advisability of purchasing or assuming any risk in connection with the Certificates. Neither the Issuer nor the Calculation Agent shall have any liability to any person for any act or failure to act by the Index Sponsor in connection with the calculation, adjustment or maintenance of the Index. Neither the Issuer nor the Calculation Agent has any affiliation with or control over the Index or of the Index Sponsor or any control over the computation, composition or dissemination of the Index. Although the Issuer and the Calculation Agent will obtain information concerning the Index from publicly available sources they believe to be reliable, they will not independently verify this information. Accordingly, no representation, warranty or undertaking (express or implied) is made and no responsibility is accepted by the Issuer or the Calculation Agent as to the accuracy, completeness and timeliness of information concerning the Index.