

**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.

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.

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.

Dow Jones Industrial Average 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.

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.

EURO STOXX 50® (Price) 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.

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

Final Terms dated 07 November 2019

**ING Bank N.V.**

**Legal entity identifier (LEI): 3TK20IVIUJ8J3ZU0QE75**

**Issue of**

<b>Series number of the Certificates</b>	<b>WKN Code</b>	<b>ISIN Code</b>	<b>Number of Certificates being issued</b>	<b>Title</b>
102930	NG2VW2	DE000NG2VW26	2000000	ING Long Index Open End Turbo Certificate
102931	NG2VW3	DE000NG2VW34	2000000	ING Long Index Open End Turbo

				Certificate
102932	NG2VW4	DE000NG2VW42	2000000	ING Long Index Open End Turbo Certificate
102933	NG2VW5	DE000NG2VW59	2000000	ING Long Index Open End Turbo Certificate
102934	NG2VW6	DE000NG2VW67	2000000	ING Long Index Open End Turbo Certificate
102935	NG2VW7	DE000NG2VW75	2000000	ING Long Index Open End Turbo Certificate
102936	NG2VW8	DE000NG2VW83	2000000	ING Long Index Open End Turbo Certificate
102937	NG2VW9	DE000NG2VW91	2000000	ING Long Index Open End Turbo Certificate
102938	NG2VXA	DE000NG2VXA0	2000000	ING Long Index Open End Turbo Certificate
102939	NG2VXB	DE000NG2VXB8	2000000	ING Long Index Open End Turbo Certificate
102940	NG2VXC	DE000NG2VXC6	2000000	ING Long Index Open End Turbo Certificate
102941	NG2VXD	DE000NG2VXD4	2000000	ING Long Index Open End Turbo Certificate
102942	NG2VXE	DE000NG2VXE2	2000000	ING Long Index Open End Turbo Certificate
102943	NG2VXF	DE000NG2VXF9	2000000	ING Long Index Open End Turbo Certificate
102944	NG2VXG	DE000NG2VXG7	2000000	ING Long Index Open End Turbo Certificate
102945	NG2VXH	DE000NG2VXH5	2000000	ING Long Index Open End Turbo Certificate
102946	NG2VXJ	DE000NG2VXJ1	2000000	ING Long Index Open End Turbo Certificate
102947	NG2VXK	DE000NG2VXK9	2000000	ING Long Index Open End Turbo Certificate
102948	NG2VXL	DE000NG2VXL7	2000000	ING Long Index Open End Turbo Certificate
102949	NG2VXM	DE000NG2VXM5	2000000	ING Long Index Open End Turbo Certificate
102950	NG2VXN	DE000NG2VXN3	2000000	ING Long Index Open End Turbo Certificate
102951	NG2VXP	DE000NG2VXP8	2000000	ING Long Index Open End Turbo Certificate
102952	NG2VXQ	DE000NG2VXQ6	2000000	ING Long Index Open End Turbo Certificate
102953	NG2VXR	DE000NG2VXR4	2000000	ING Long Index Open End Turbo Certificate
102954	NG2VXS	DE000NG2VXS2	2000000	ING Long Index Open End Turbo 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](mailto:info@sprinters.nl)) and are available for viewing on the website [www.ingmarkets.de](http://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.	Best Certificates (Marketing name: Open End Turbos)
	(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:	08 November 2019
6	Issue Date:	12 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
102930	DE000NG2VW26	2000000	2.39	572.8800000000	3.5	5.0	2.0	20.0	0.0	572.8800000000	0.01	0.1	EUR
102931	DE000NG2VW34	2000000	0.38	13215.9200000000	3.5	5.0	1.5	20.0	0.0	13215.9200000000	0.01	0.01	EUR
102932	DE000NG2VW42	2000000	0.43	13210.9200000000	3.5	5.0	1.5	20.0	0.0	13210.9200000000	0.01	0.01	EUR
102933	DE000NG2VW59	2000000	0.48	13205.9200000000	3.5	5.0	1.5	20.0	0.0	13205.9200000000	0.01	0.01	EUR
102934	DE000NG2VW67	2000000	0.53	13200.9200000000	3.5	5.0	1.5	20.0	0.0	13200.9200000000	0.01	0.01	EUR
102935	DE000NG2VW75	2000000	0.58	13195.9200000000	3.5	5.0	1.5	20.0	0.0	13195.9200000000	0.01	0.01	EUR
102936	DE000NG2VW83	2000000	0.63	13190.9200000000	3.5	5.0	1.5	20.0	0.0	13190.9200000000	0.01	0.01	EUR
102937	DE000NG2VW91	2000000	0.68	13185.9200000000	3.5	5.0	1.5	20.0	0.0	13185.9200000000	0.01	0.01	EUR
102938	DE000NG2VXA0	2000000	0.73	13180.9200000000	3.5	5.0	1.5	20.0	0.0	13180.9200000000	0.01	0.01	EUR
102939	DE000NG2VXB8	2000000	0.78	13175.9200000000	3.5	5.0	1.5	20.0	0.0	13175.9200000000	0.01	0.01	EUR
102940	DE000NG2VXC6	2000000	0.83	13170.9200000000	3.5	5.0	1.5	20.0	0.0	13170.9200000000	0.01	0.01	EUR
102941	DE000NG2VXD4	2000000	0.88	13165.9200000000	3.5	5.0	1.5	20.0	0.0	13165.9200000000	0.01	0.01	EUR
102942	DE000NG2VXE2	2000000	0.93	13160.9200000000	3.5	5.0	1.5	20.0	0.0	13160.9200000000	0.01	0.01	EUR
102943	DE000NG2VXF9	2000000	0.98	13155.9200000000	3.5	5.0	1.5	20.0	0.0	13155.9200000000	0.01	0.01	EUR
102944	DE000NG2VXG7	2000000	1.03	13150.9200000000	3.5	5.0	1.5	20.0	0.0	13150.9200000000	0.01	0.01	EUR
102945	DE000NG2VXH	2000000	1.08	13145.9200	3.5	5.0	1.5	20.0	0.0	13145.9200	0.01	0.01	EUR

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102946	DE000NG2VXJ1	2000000	1.13	13140.9200 000000	3.5	5.0	1.5	20.0	0.0	13140.9200 000000	0.01	0.01	EUR
102947	DE000NG2VXK 9	2000000	1.18	13135.9200 000000	3.5	5.0	1.5	20.0	0.0	13135.9200 000000	0.01	0.01	EUR
102948	DE000NG2VXL 7	2000000	1.23	13130.9200 000000	3.5	5.0	1.5	20.0	0.0	13130.9200 000000	0.01	0.01	EUR
102949	DE000NG2VXM 5	2000000	1.28	13125.9200 000000	3.5	5.0	1.5	20.0	0.0	13125.9200 000000	0.01	0.01	EUR
102950	DE000NG2VXN 3	2000000	1.33	13120.9200 000000	3.5	5.0	1.5	20.0	0.0	13120.9200 000000	0.01	0.01	EUR
102951	DE000NG2VXP 8	2000000	1.38	13115.9200 000000	3.5	5.0	1.5	20.0	0.0	13115.9200 000000	0.01	0.01	EUR
102952	DE000NG2VXQ 6	2000000	0.63	3637.84000 00000	3.5	5.0	2.0	20.0	0.0	3637.84000 00000	0.01	0.01	EUR
102953	DE000NG2VXR 4	2000000	0.24	26780.8100 000000	3.5	5.0	3.0	20.0	0.0	26780.8100 000000	0.01	0.001	EUR
102954	DE000NG2VXS 2	2000000	0.23	27467.3600 000000	3.5	5.0	2.0	20.0	0.0	27467.3600 000000	0.01	0.01	USD

**ADDITIONAL SPECIFIC PRODUCT RELATED PROVISIONS:**

24	<b>Index Certificate Provisions</b>	Applicable
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Series Number of the Certificates	ISIN Code	(i) Details of the Index	(ii) Exchange	(iii) Notional Dividend Period
102930	DE000NG2VW 26	AEX Index (Bloomberg code: AEX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102931	DE000NG2VW 34	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102932	DE000NG2VW 42	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102933	DE000NG2VW 59	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102934	DE000NG2VW 67	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102935	DE000NG2VW 75	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102936	DE000NG2VW 83	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102937	DE000NG2VW 91	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102938	DE000NG2VXA 0	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102939	DE000NG2VXB 8	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102940	DE000NG2VXC 6	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102941	DE000NG2VXD 4	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102942	DE000NG2VXE 2	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102943	DE000NG2VXF 9	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102944	DE000NG2VXG 7	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102945	DE000NG2VXH 5	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102946	DE000NG2VXJ 1	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions



102947	DE000NG2VXK9	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102948	DE000NG2VXL7	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102949	DE000NG2VXM5	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102950	DE000NG2VXN3	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102951	DE000NG2VXP8	DAX® Index (Bloomberg code: DAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102952	DE000NG2VXQ6	EURO STOXX 50® (Price) Index (Bloomberg code: SX5E <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102953	DE000NG2VXR4	MDAX Index (Bloomberg code: MDAX <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions
102954	DE000NG2VXS2	Dow Jones Industrial Average Index (Bloomberg code: INDU <Index> )	As specified in the Index Certificate Conditions	As specified in the Index Certificate Conditions

25	<b>Share Certificate Provisions</b>	Not Applicable
26	<b>Currency Certificate Provisions</b>	Not Applicable
27	<b>Commodity Certificate Provisions</b>	Not Applicable
28	<b>Fund Certificate Provisions</b>	Not Applicable
29	<b>Government Bond Certificate Provisions</b>	Not Applicable
30	<b>Index Futures Certificate Provisions</b>	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
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### 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

<b>Underlying</b>	<b>Information on the underlying can be obtained on source of information.</b>
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>)
Dow Jones Industrial Average 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: INDU <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>)
EURO STOXX 50® (Price) 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: SX5E <Index>)

## 5 POST-ISSUANCE INFORMATION

Post-issuance information will be made available on the website of the Issuer [www.ingmarkets.de](http://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
DE000NG2VW26	Not Applicable	NG2VW2
DE000NG2VW34	Not Applicable	NG2VW3
DE000NG2VW42	Not Applicable	NG2VW4
DE000NG2VW59	Not Applicable	NG2VW5
DE000NG2VW67	Not Applicable	NG2VW6
DE000NG2VW75	Not Applicable	NG2VW7
DE000NG2VW83	Not Applicable	NG2VW8
DE000NG2VW91	Not Applicable	NG2VW9
DE000NG2VXA0	Not Applicable	NG2VXA
DE000NG2VXB8	Not Applicable	NG2VXB
DE000NG2VXC6	Not Applicable	NG2VXC
DE000NG2VXD4	Not Applicable	NG2VXD
DE000NG2VXE2	Not Applicable	NG2VXE
DE000NG2VXF9	Not Applicable	NG2VXF
DE000NG2VXG7	Not Applicable	NG2VXG
DE000NG2VXH5	Not Applicable	NG2VXH
DE000NG2VXJ1	Not Applicable	NG2VXJ

DE000NG2VXK9	Not Applicable	NG2VXK
DE000NG2VXL7	Not Applicable	NG2VXL
DE000NG2VXM5	Not Applicable	NG2VXM
DE000NG2VXN3	Not Applicable	NG2VXN
DE000NG2VXP8	Not Applicable	NG2VXP
DE000NG2VXQ6	Not Applicable	NG2VXQ
DE000NG2VXR4	Not Applicable	NG2VXR
DE000NG2VXS2	Not Applicable	NG2VXS

(iv) Name of the Principal Certificate Agent	BNP Paribas Securities Services S.C.A.
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## 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 “ <b>Public Offer Jurisdiction</b> ”).
(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.
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## ANNEX

### **ISSUE SPECIFIC SUMMARY OF THE CERTIFICATES AND THE KEY INFORMATION DOCUMENT ARE AVAILABLE ON THE WEBSITE OF THE ISSUER [WWW.INGMARKETS.DE](http://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.