Portfolio Certificates

Linked to Premium Multi Asset Portfolio

Issued by UBS AG, Zurich

Cash settled

SVSP/EUSIPA Product Type: Tracker Certificate (1300, Callable)

ISIN: CH0473590831 / WKN: US8JH2 / Valor: 47359083



Public Offer **Final Terms**

This Product does not represent a participation in any of the collective investment schemes pursuant to Art. 7 ff of the Swiss Federal Act on Collective Investment Schemes (CISA) and thus does not require an authorisation of the Swiss Financial Market Supervisory Authority (FINMA). Therefore, investors in this Product are not eligible for the specific investor protection under the CISA. Moreover, investors in this Product bear the issuer risk.

This is a structured product which may involve derivatives. Prospective purchasers of this Product should ensure that they understand the nature of the Product and the extent of their exposure to risks and that they consider the suitability of the Product as an investment in the light of their own circumstances and financial condition. This Product involves a high degree of risk, including the risk of it expiring worthless. Potential investors should be prepared to sustain a total loss of the purchase price of their investment.

This Product is linked to a notional dynamic portfolio, which is actively advised in the sole discretion of the Reference Portfolio Advisor pursuant to the Reference Portfolio Description Document (Annex 1).

This document (Final Terms) constitutes the Simplified Prospectus for the Product described herein; it can be obtained free of charge from UBS AG, P.O. Box, CH-8098 Zurich (Switzerland), via telephone (+41-(0)44-239 47 03), fax (+41-(0)44-239 69 14) or via e-mail (swiss-prospectus@ubs.com). The relevant version of this document is stated in English; any translations are for convenience only. For further information please refer to paragraph «Product Documentation» under section 4 of this document.

1. Description of the Product

Portfolio Certificates

This Product (each a "**Portfolio Certificate**" and collectively the "**Portfolio Certificates**") allows for participation in the performance of the Reference Portfolio, which is calculated net of relevant costs and fees, as further described below.

Reference Portfolio

The Premium Multi Asset Portfolio (the "**Reference Portfolio**") is a EUR (the "**Reference Portfolio Currency**") denominated reference portfolio, created, advised on, and maintained by the Reference Portfolio Advisor in accordance with the provision in the description of the Reference Portfolio (the "**Reference Portfolio Description**") in Annex 1.

The Reference Portfolio aims to replicate the performance of:

(i) A cash position denominated in the Reference Portfolio Currency (the "**Cash Position**"),

combined with (each of the below referred to as a "**Constituent**" and together the "**Constituents**"),

(ii) long only positions in stocks (each a "**Stock Constituent**") comprised in the Stock Investment Universe,

(iii) long only positions in exchange-traded funds (ETFs) (each an "**ETF Constituent**") comprised in the ETF Investment Universe,

(iv) long and/or short positions in equity futures markets (each a "**Futures Constituent**") comprised in the Futures Investment Universe,

(v) positions in various FX forward contracts (each a "**FX Forward Constituent**") comprised in the FX Investment Universe,

(vi) long only positions in securitised products (each a "**Securitised Product Constituent**") comprised in the Securitised Product Investment Universe,

(vii) positions in synthetic currency accounts with positive or negative notional cash balances (each a "**Synthetic Currency Account Constituent**") comprised in the Synthetic Currency Account Investment Universe,

The Cash Position together with the Constituents shall be referred to as the "**Reference Portfolio Components**".

The performance of the Reference Portfolio will be net of the relevant fees and costs described herein.

The notional value of the Reference Portfolio on the Pricing Date is the Initial Reference Portfolio Level.

Whilst the Reference Portfolio Level and the Redemption Amount is linked to the value of the Reference Portfolio Components, the Issuer may or may not invest the proceeds of the issuance of the Portfolio Certificates in any Reference Portfolio Component at any time for the purposes of hedging its obligations under this Product. In the event the Issuer elects to invest the proceeds in any Reference Portfolio Component for the purpose of hedging its obligations under this Product, the holders of the Portfolio Certificates will not have any direct interest or beneficial ownership in any Reference Portfolio Component at any time.

Product Details

Security Numbers	Valor: 47359083 / ISIN: CH0473590831/ WKN: US8JH2
Issue Size	Up to 150,000 Units (with reopening clause)
Denomination	EUR 100
Issue Price	EUR 100 per Unit (unit quotation)
Quoting Type	Secondary market prices are quoted in unit price and dirty
Stop Loss Level	50.00 (50.00% of Initial Reference Portfolio Level)
Initial Reference Portfolio Level	100.00
Settlement Currency	EUR
Settlement	Cash Settlement
Currency Treatment	The Reference Portfolio may be exposed to Constituents denominated in currencies other than the Settlement Currency. The resulting currency exchange risks may be partially hedged through the use of FX forward contracts, at the discretion of the Reference Portfolio Advisor.
Dividend Treatment	In respect of any Constituents which are, or include, U.S. equity securities, for purposes of determining the amount of a dividend treated as notionally reinvested, such dividend shall be reduced by the 30% withholding tax imposed by Section 871(m) of the U.S. Internal Revenue Code of 1986, as amended. For long positions in Stock and ETF Constituents, a notional amount reflecting net dividends of such Constituents as converted into the Reference Portfolio Currency (if applicable) at the then prevailing currency exchange rate, each as determined by the Calculation Agent in its sole and reasonable discretion, will be paid into the Cash Position on the ex-dividend date of that Stock and ETF Constituent. For long positions in Securitised Products Constituents, a notional amount reflecting net dividends of (or any form of income arising from) the Securitised Products Constituents, as converted into the Reference Portfolio Currency (if applicable) at the then prevailing currency exchange rate, each as determined by the Calculation Agent in its sole and reasonable discretion, will be paid into the Cash Position on the relevant payment date of that Securitised Products Constituent.

Dates

Launch Date	28 October 2019

Pricing Date **("Pricing")**	01 November 2019
Issue Date / Payment Date	08 November 2019
Last Trading Date	02 November 2026
Expiration Date ("**Expiry**")	09 November 2026 (subject to Market Disruption Events provisions, Early Termination by the Issuer, Automatic Early Termination and Unwind Disruption provisions), extendable once at the option of the Issuer for an additional 7 year period (from the initial scheduled Expiration Date stated above), with a notice period of not less than 180 calendar days prior to the scheduled Expiration Date. With respect to the initial scheduled Expiration Date, and in case of an extension of the term, the investor may no later than 90 calendar days prior to the initial scheduled Expiration Date request in writing from the Issuer that part or all of investment in the Portfolio Certificates shall be redeemed on the Redemption Date following the scheduled Expiration Date. If the initial scheduled or extended Expiration Date is not a Constituents Business Day, then such Expiration Date shall be the first following day that is a Constituents Business Day, unless the Calculation Agent determines, in its sole and reasonable discretion, that the Expiration Date shall remain as scheduled.
Redemption Date	The 5th Business Day following the Expiration Date, the Early Termination Date or the Automatic Early Termination Date (in any case subject to Market Disruption Event provisions).

Redemption

Redemption Amount

Each Portfolio Certificate entitles the investor to receive on the Redemption Date an amount in the Settlement Currency, as calculated by the Calculation Agent, according to the following formula:

$$\text{Denomination} \times \text{Max}\left(0, \frac{\text{Final Reference Portfolio Level}}{\text{Initial Reference Portfolio Level}}\right)$$

Where:

"**Final Reference Portfolio Level**" means the Reference Portfolio Level as determined by the Calculation Agent on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date (as applicable) and subject to Unwind Disruption, as the sum of:

i) the unwind proceeds as converted into the Settlement Currency where applicable, using the prevailing currency exchange rate, as determined by the Calculation Agent in its sole and reasonable discretion, that would be realized by a notional investor (in the same position as the Issuer) when selling and/or unwinding the prevailing Constituents comprising the Reference Portfolio; and

ii) the value of the Cash Position minus any accrued but not yet deducted Adjustment Fee, Reference Portfolio Advisor Performance Fee, Borrow Fee and Reference Portfolio Fee.

In the event that a notional investor (in the same position as the Issuer) would be unable to unwind its positions in the Constituents by or on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as determined by the Calculation Agent in its sole and reasonable discretion (such event an "**Unwind Disruption**"), the Issuer reserves the right to postpone the Expiration Date, the Early Termination Date or the Automatic Early Termination Date in accordance with the Market Disruption Events provisions below.

Please note that the Redemption Amount may be less than the initially invested capital.

Early Termination by Issuer

The Issuer is entitled to terminate the Portfolio Certificates early in full subject to the following notice period:

	Quarterly, i.e. as of each 31 March, 30 June, 30 September and 31 December of each year (the "**Early Termination Date**"), subject to at least 30 Business Days prior notice being given to the investors (provided in each case if such day is not a Constituents Business Day, then the immediately following Constituents Business Day shall be the Early Termination Date). The first possible Early Termination Date will be [ ]. There is no early termination right for the investor in the Portfolio Certificates.
Automatic Early Termination	Should the Reference Portfolio Advisor cease to be or to act as the Reference Portfolio Advisor, or the Reference Portfolio Level be equal or lower than the Stop Loss Level in respect of any week day, the Product will automatically terminate (the "**Automatic Early Termination**") on the week day immediately following the date on which such event occurs (the "**Automatic Early Termination Date**"), unless the Calculation Agent determines, in its sole and reasonable discretion, that the Automatic Early Termination Date shall occur on the day on which such event occurs. No notice period shall apply in that case.
Reference Portfolio Level	Except on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, the Calculation Agent shall calculate the Reference Portfolio Level in its sole and reasonable discretion in respect of each week day, subject to a Market Disruption Event (each a "**Reference Portfolio Calculation Date**"). The Reference Portfolio Level in respect of each Reference Portfolio Calculation Date is the sum of (i) the closing price or value of each Constituent on such Reference Portfolio Calculation Date (taking into account the number of units of each Constituent in respect of which the Reference Portfolio has exposure), and (ii) the value of the Cash Position, all of the above as determined by the Calculation Agent in its sole and reasonable discretion. For the avoidance of doubt, the value of Futures Constituents, for the purposes determining the Reference Portfolio Level, shall be equal to zero (resulting from the mark-to-market performance of Futures Constituents, being reflected in the Cash Position, as described in the Annex). In respect of the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, the Reference Portfolio Level shall be determined by the Calculation Agent in accordance with the provisions under "**Redemption Amount**" above.

Fees

Reference Portfolio Advisor Fee (calculated daily)	The Reference Portfolio Advisor will receive a fee of 1.50% per annum of the Reference Portfolio Level, deducted from the respective Reference Portfolio Level on a pro-rata daily basis as determined by the Calculation Agent.
Issuer Fee (calculated daily)	The Issuer will receive a fee of 0.30% per annum of the Reference Portfolio Level, deducted from the respective Reference Portfolio Level on a pro-rata daily basis as determined by the Calculation Agent.
Reference Portfolio Fee	The sum of the Reference Portfolio Advisor Fee and the Issuer Fee. The Reference Portfolio Fee shall be accrued within, and deducted from, the Cash Position.
Reference Portfolio Advisor Performance Fee (High Water Mark)	A fee, as defined below, levied on the positive daily performance of the Reference Portfolio, as calculated by the Calculation Agent. On any week day, the Reference Portfolio Advisor Performance Fee will be applied as a percentage number to the positive difference, if any, between the Gross Reference Portfolio Level in respect of the current week day, as calculated by the Calculation Agent and as described below, and the High Water Mark Level ("**HWM**") on the week day immediately preceding the current week day, as calculated by the Calculation Agent and as further described below. The product of the Performance Fee and this difference is deducted from the Gross Reference Portfolio Level in respect of the current week day to provide the Reference Portfolio Level in respect of the current week day, as reflected by the following formula:

$$RPL_t = GRPL_t - Max[PF\ x\ (GRPL_t - HWM_{t-1}), 0]$$

Where:

"**PF**": The Performance Fee of 15.00%;

Reference Portfolio Level ("**RPL$_t$**"): The Reference Portfolio Level in respect of week day "t";

Gross Reference Portfolio Level ("**GRPL$_t$**"): The Gross Reference Portfolio Level on each week day "t" is the Reference Portfolio Level as of the immediately preceding week day "t-1", adjusted for the performance of the Reference Portfolio on week day "t", net of the Reference Portfolio Fee and Adjustment Fee (if applicable) for such week day "t", and before the application or deduction of the Reference Portfolio Advisor Performance Fee for such week day, if any, as described above; and

High Water Mark Level ("**HWM$_t$**"): The HWM on the Pricing Date shall be 100.00% of the Initial Reference Portfolio Level. On each subsequent Business Day "t", the HWM Level shall be the greater of the HWM Level on the immediately preceding week day "t-1" and the Gross Reference Portfolio Level in respect of the current week day.

Portfolio Certificates bought in the secondary market will reflect the current High Water Mark Level. As such, if the current High Water Mark Level is above the current Reference Portfolio Level, such Portfolio Certificates will not accrue the Reference Portfolio Advisor Performance Fee until the Reference Portfolio Level is above the current High Water Mark Level.

The Reference Portfolio Advisor Performance Fee shall be accrued within, and deducted from, the Cash Position.

Adjustment Fee

An Adjustment Fee is levied for each Rebalancing, as defined in Annex 1, made in the Reference Portfolio and represents a percentage of the volume notionally acquired or unwound in a Constituent. Unwind costs to determine the Final Reference Portfolio Level shall constitute Adjustment Fees.

In respect of each Constituent, the Adjustment Fee is equal to:

- Stock Constituents	0.10%
- ETF Constituents	0.10%
- Securitised Product Constituents	0.10%
- Future Constituents	0.03%
- FX Forward Constituents	0.03%
- Synthetic Currency Account Constituents	0.03%

The Adjustment Fee shall be accrued within, and deducted from, the Cash Position.

The Adjustment Fees fully remain with the Issuer.

Borrow Fee

A notional amount reflecting the borrowing cost applied to the market value of each Constituent in respect of which the Reference Portfolio has a short position (the "**Short Exposure**") with respect to the week day immediately preceding the current week day, as determined by the Calculation Agent in its sole and reasonable discretion.

The Borrow Fee shall be accrued within, and deducted from, all Reference Portfolio Components proportionally.

Distribution Fee

None

Product Structure

The Product allows for participation in the performance of the Reference Portfolio, which is calculated net of relevant fees and costs. The Reference Portfolio is a notional actively advised portfolio, created and maintained by the Reference Portfolio Advisor.

General Information

Issuer	UBS AG, Zurich and Basel, Switzerland
Issuer Rating	Aa3 Moody's / A+ S&P's / AA- Fitch This is the long term credit rating of the Issuer and it does not represent ratings of the Portfolio Certificates. A rating is not a recommendation to buy, sell or hold securities and may be subject to suspension, change or withdrawal at any time by the assigning rating agency.
Issuer Supervisory Authority	Swiss Financial Market Supervisory Authority (FINMA). London Branch additionally Financial Conduct Authority (FCA) and Prudential Regulation Authority (PRA). Jersey Branch additionally Jersey Financial Services Commission (JFSC).
Lead Manager	UBS AG, Zurich
Calculation Agent	UBS AG, Zurich
Paying Agent	UBS Switzerland AG
Listing	None
Public Offering	Switzerland
Reference Portfolio Advisor	Premium Capital Advisors AG Please note that the Reference Portfolio Advisor may not only act as Reference Portfolio Advisor with regard to the Reference Portfolio, but may at the same time act as asset manager or financial consultant with regard to investors in the Portfolio Certificates, which may induce potential conflicts between investors' interests and Reference Portfolio Advisor's interests. If this is the case, investors may contact the Reference Portfolio Advisor in order to assess how such potential conflicts are mitigated.
Reference Portfolio Advisor Supervisory Authority	The Reference Portfolio Advisor is registered with VQF Self-Regulatory Organisation (VQF SRO).
Business Days	Any day on which commercial banks are open for business (including dealings in foreign exchange and foreign currency deposits) in London and Zurich.
Constituents Business Day	Any day on which (i) in respect of a Constituents, the Exchange and Related Exchange are scheduled to be open for trading, notwithstanding any day on which they close for business prior to their regular weekday closing time and (ii) the Calculation Agent is open for business.
Exchange	The primary exchange, if applicable, on which the Constituents are listed and publicly quoted and traded, as determined by the Calculation Agent from time to time.
Related Exchange	Means the principal exchange (if any) on which options or futures contracts relating to the Constituents are traded or quoted, as determined by the Calculation Agent.
Secondary Market	The Issuer or the Lead Manager, as applicable, intends, under normal market conditions, to provide bid and/or offer prices for this Product on a regular basis. However, the Issuer or the Lead Manager, as applicable, makes no firm commitment to provide liquidity by means of bid and/or offer prices for this Product, and assumes no legal obligation to quote any such prices or with respect to the level or determination of such prices. Daily price indications, if any, will be available on Reuters/Bloomberg and www.ubs.com/keyinvest from 09:15-17:15 (CET).
Minimum Investment	1 Unit(s) (subject to Selling Restrictions)
Minimum Trading Lot	1 Unit(s)
Clearing	SIX SIS, Euroclear, Clearstream (registered as intermediated securities with SIX SIS AG, in Switzerland)

Form of Deed	Uncertificated Securities
Status	Unsecured / Unsubordinated
Governing Law / Jurisdiction	Switzerland/Zurich
Adjustments	The terms of the Product may be subject to adjustments during its lifetime. For clients outside of the United Kingdom, any changes with regard to the terms of this Product shall be published on the internet at www.ubs.com/keyinvest. Detailed information on such adjustments is to be found in the Product Documentation.
Product	One EUR denominated Portfolio Certificate (the "**Unit**") is equivalent to one (1) "**Product**". "**Products**" wherever used herein shall be construed to mean integral multiples of the same, subject to the issue size.

Adjustments and Market Disruption

Adjustments to the composition of the Reference Portfolio	If, at any time, an event occurs in relation to a Constituent which the Calculation Agent determines requires an adjustment(s) to be made to the composition of the Reference Portfolio, then the Calculation Agent shall (i) determine which adjustment(s) are to be made to the Constituent with a view to account for the effect of the relevant event and to preserve the prevailing composition of the Reference Portfolio immediately prior to the occurrence of such event and (ii) determine the date on which such adjustment(s) shall take effect.
Market Disruption Events	A Market Disruption Event means, in relation to a Constituent (or an Eligible Constituent in respect of a Rebalance only), the occurrence or existence on any calendar day (other than a Saturday or Sunday) or on any number of consecutive calendar days (other than a Saturday or Sunday) any one or more of the following events: (i) a limitation, suspension, or disruption of trading in one or more of the Constituents (or component of any Constituent) imposed by the Exchange or the Related Exchange; (ii) the closing or settlement price for any Constituent (of component of any Constituent) is a "limit price", which means that the closing or settlement price for such Constituent for a day has increased or decreased from the previous day's closing price by the maximum amount permitted under applicable rules of the Exchange or the Related Exchange; (iii) failure by the Exchange, the Related Exchange or other price source as applicable to announce or publish the closing or settlement price in respect of any Constituent (or component of any Constituent); (iv) the Exchange or the Related Exchange fails to open for trading during its regular trading session; (v) the closure on any Exchange Business Day of any Exchange or Related Exchange in respect of a Constituent (or component of any Constituent), prior to its Scheduled Closing Time; (vi) any event (other than an early closure as described above) that disrupts or impairs (as determined by the Calculation Agent) the ability of market participants in general to effect transactions in, or obtain market values for any Constituent (or any Eligible Constituent in respect of a Rebalancing only or component thereof); (vii) a loss of Stock Borrow has occurred; (viii) an FX Disruption Event has occurred; if in the determination of the Issuer or Calculation Agent, any such event is material. The consequences of a Market Disruption Event are as follows:

(A) In the event that the Calculation Agent determines that a Constituents Business Day is a Disrupted Day with respect to a Constituent (or an Eligible Constituent in respect of a Rebalancing only) selected by the Reference Portfolio Advisor for the purposes of a Rebalancing, then such Constituent shall not be notionally sold or purchased on the intended effective date of the relevant Rebalancing.

(B) In the event that the Calculation Agent determines that any Reference Portfolio Calculation Date is a Disrupted Day with respect to any Constituent, then for the purposes of determining the Reference Portfolio Level as at such Reference Portfolio Calculation Date, (a) the price of each Constituent not affected by the occurrence of such Disrupted Day shall be the closing price of such Constituent on the relevant Exchange or Related Exchange and (b) the price of each Constituent affected by the occurrence of such Disrupted Day shall be determined by the Calculation Agent in its good faith estimate of the fair market value (which may be zero) of such Constituent as of such Reference Portfolio Calculation Date.

(C) If the Calculation Agent determines that the date scheduled to be the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, is a Disrupted Day in respect of any Constituent, such date shall be the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, for those Constituents which are not affected by the occurrence of a Disrupted Day while the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, for any Constituent that is affected by the occurrence of a Disrupted Day shall be postponed to the following Constituents Business Day with respect to such Constituent. If in respect such Constituent the Disruption Day is persisting for up to 8 (eight) Constituents Business Days immediately following the date scheduled to be the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, the price of such Constituent shall be determined by the Calculation Agent by reference to its good faith estimate of the value for such Constituent on that eighth Constituents Business Day.

(D) On the occurrence of an FX Disruption Event, the value of any Constituent not denominated in the Settlement Currency shall be determined by the Calculation Agent in its sole and reasonable discretion and the Calculation Agent shall have the right to adjust the value of the Reference Portfolio to account for such FX Disruption Event.

(E) If the Calculation Agent determines that a Loss of Stock Borrow has occurred, the Issuer is entitled to unwind the position on any affected Constituent and the Calculation Agent shall have the right to adjust the value of the Reference Portfolio to account for such Loss of Stock Borrow.

Loss of Stock Borrow	Means that a notional investor in the same position as the Issuer is unable to borrow (or maintain a borrowing of) the relevant Constituent with respect to the notional Reference Portfolio, as determined by the Calculation Agent in its sole and reasonable discretion.
Disrupted Day	Any day on which the Calculation Agent determines that, in relation to a Constituent or Eligible Constituent, a Market Disruption Event has occurred.
FX Disruption Event	Means (i) an event that generally makes it illegal, impossible, impractical or inadvisable to convert 1 (one) unit of the currency in which any non-EUR denominated Constituent is denominated (the "**Denomination Currency**") into the Settlement Currency, or an event that generally makes it impossible to deliver the Settlement Currency from accounts in which they are held to accounts outside of the jurisdiction of the Denomination Currency; or (ii) the general unavailability to exchange the Settlement Currency at a spot rate (applicable to the purchase of the Settlement Currency for the Denomination Currency) in any legal currency exchange market in the principal financial centre for the Denomination Currency, if, in the determination of the Calculation Agent, the occurrence of any such events is material.

Tax Treatment Switzerland

Swiss Federal Stamp Duty	The product does not qualify as a taxable security (TK 24/3).
Swiss Federal Income Tax	For private investors resident in Switzerland this product is treated analogous to a share in a reinvesting collective investment vehicle. The taxable income per share will be determined and will be reported to the Swiss Federal Tax Administration annually for publication in the list of tax values (*Kursliste*). Closing date (for Swiss tax purposes): January 1, for the first time January 1, 2020.
Swiss Withholding Tax	The product is not subject to the Swiss Withholding Tax.

The tax information only provides a general overview over the Swiss tax consequences linked to this product based on the tax laws and the practice of the tax administration at the time of issue. Tax laws and the practice of tax administrations may change, possibly with retroactive effect.

Classification

This Product does not represent a participation in any of the collective investment schemes pursuant to Art. 7 et seqq of the Swiss Federal Act on Collective Investment Schemes (CISA) and thus does not require an authorisation of the Swiss Financial Market Supervisory Authority (FINMA). Therefore, investors in this Product are not eligible for the specific investor protection under the CISA. Moreover, investors in this Product bear the issuer risk.

Furthermore, this Product does not benefit from any depositor protection under Art. 37a under the Swiss Federal Law on Banks and Savings Banks (Banking Act) or other forms of deposit insurance under any other law as might be applicable to this Product.

2. Prospects of Profit and Loss

Market Expectation	Investors in this Product expect the Reference Portfolio to trade positively over the life of the Product.

Effect of the performance of the Reference Portfolio on the Redemption Amount:

• Positive performance	If the Reference Portfolio performs positively, investors realise a positive return.
• Sideways to slightly negative performance	If the Reference Portfolio performs sideways to slightly negative, investors fully participate in the negative performance of the Reference Portfolio. Investors may lose some of their investment.
• Pronounced negative performance	If the Reference Portfolio performs negatively, investors may lose some or all of their investment.
Profit Potential	The profit potential is unlimited. The Product allows for full participation in the positive performance of the Reference Portfolio, as adjusted by fees and costs as described in more detail herein.
Loss Potential	Investors may lose some or all of the investment as they are fully exposed to the negative performance of the Reference Portfolio as well as to currency risks where the currency risk is not hedged.

3. Significant Risk For Investors

General Risk Warning	Potential investors should understand the risks associated with an investment in the Product and shall only reach an investment decision after careful considerations with their legal, tax, financial and other advisors of (i) the suitability of an investment in the Product in the light of their own particular financial, fiscal and other circumstances; (ii) the information set out in this document and (iii) the Reference Portfolio Components. The following is a summary of the most significant risks. Further risks are set out in the Product Documentation.

Risk Tolerance	Investors in this Product should be experienced investors and familiar with both derivative products and the general markets as well as with the investment management abilities of the Reference Portfolio Advisor. Investors must be willing to make an investment that is fully exposed to the performance of the Reference Portfolio, meaning that investors might lose their whole investment in the Product in the worst case. Furthermore, investors should be aware that the Reference Portfolio may contain Constituents denominated in currencies other than the Settlement Currency. **The currency risk may or may not be partially hedged**. In addition, investors should be aware that the Issuer is entitled to redeem the Product early in accordance with the provisions described above under Section 1 ("Description of the Product – Early Termination by the Issuer").

Product Specific Risks

Capital Protection (at Expiry)	None
Risk Potential in comparison to a direct investment in the Reference Portfolio	The risk potential is similar to a direct investment in the assets contained in the notional Reference Portfolio.
Issuer Call right	Yes; additionally, an Automatic Early Termination may occur.
Stop Loss Event	Applicable
Currency Risk	As the Settlement Currency is different from the currency in which some or all assets contained in the notional Reference Portfolio are denominated, the value of this product is exposed to the corresponding currency exchange rates. The currency risk may be partially hedged by the Reference Portfolio Advisor at their own discretion.
Risk relating to Short Constituents	Investors should be aware that in relation to a Constituent in respect of which the Reference Portfolio has a short position, the potential gain is limited, but there is the theoretical possibility of unlimited loss if such Constituent rises dramatically in price. When asset prices go up, the Issuer may be forced to buy the Constituent to cover its position. In certain circumstances, particularly if such Constituent has significant short positions held by market participants and such Constituent experiences a surge in price, short sellers may have to cover their position at high costs (known as a "short squeeze"). Investors should also be aware that regulators may impose bans on short sales on certain Constituents forcing short sellers to cover their positions at high costs and that short sellers are also exposed to the risk of a so called buy-in. A buy-in may become effective if the borrow costs incurred regarding such Constituent cannot be maintained or the borrowed asset is called by its owner and no other asset can be borrowed to replace it.
Risk relating to Loss of Stock Borrow	Investors should be aware that a Loss of Stock Borrow could occur and as a consequence the Issuer is entitled to unwind the position on any affected Constituent and thereafter the Calculation Agent shall have the right to adjust the value of the Reference Portfolio to account for such Loss of Stock Borrow. Therefore, a Loss of Stock Borrow possibly will have a negative impact on the overall performance of the Reference Portfolio.
Risk relating to Borrow Fee	Investors should be aware that the Borrow Fee of a Constituent in respect of which the Reference Portfolio has a short position may increase substantially in case of a short squeeze or a buy-in, which could have a negative impact on the overall performance of the Reference Portfolio.
Price Source Disruption Event	It may become impossible to obtain one or more Constituent levels during the lifetime of the Product and/or on the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, due to one or more of the price sources normally used in the relevant market for the Constituents being unavailable because an unscheduled bank closure is declared on short notice in the relevant country or due to the occurrence of any other disruption (each a **"Price Source**

	Disruption Event''). The Calculation Agent will determine in its sole and reasonable discretion whether a Price Source Disruption Event has occurred. A Price Source Disruption Event may lead to (i) a postponement of the Expiration Date, the Early Termination Date or the Automatic Early Termination Date, as applicable, and therefore of the Redemption Amount, (ii) to the use of an alternative source for the relevant Constituent level and/or (iii) to the unilateral determination of the applicable Constituent level by the Calculation Agent. Such postponement, use of alternative price source and/or determination of the applicable Constituent level by the Calculation Agent may affect, materially or otherwise, the Redemption Amount which the investor will receive.
Extraordinary Termination Risk	The Issuer may terminate and redeem the Product prior to the Expiration Date in accordance with the Product Documentation. In case of such extraordinary termination, the Issuer shall pay to the investors an extraordinary termination amount as determined by the Calculation Agent which is equivalent to the market value of the Product, less any costs. Potential investors should note that the extraordinary termination amount may deviate from and may be considerably below the amount which would be payable pursuant to the final redemption provisions on the date that would have otherwise been the scheduled Redemption Date if such termination did not occur. Investors are not entitled to request any further payments after the termination of the Product.
Risks specific to exchange traded funds	Regarding the performance of exchange traded funds (ETFs), investors should also note the following risks specific to ETFs: (i) market risk: Investment aim of most ETFs is to track the performance of indices, market sectors, or groups of assets such as stocks, bonds or commodities. Investors are subject to risk of loss and volatility associated with the underlying index/assets. The net asset value (NAV) of the ETF will change with changes in the market value of the underlying securities or other assets it holds and such changes may be amplified or inverse in the case of leveraged or inverse ETFs. (ii) tracking error risk: The performance of the ETFs may deviate from the underlying index, market sectors or assets. This may be due to the impact of fees and expenses incurred to the ETFs, currency differences, the replication strategy of the ETF, and/or the failure of such strategy. (iii) counterparty risk: If the ETF uses a synthetic replication strategy by entering into swaps or other derivatives transactions to gain exposure to the index or assets it tracks, investors are exposed to the risk that such counterparties may default on their obligations which may expose the ETF to greater losses than if the ETF invested only in conventional securities. There is always a risk that the market value of any collateral held by such ETF has deteriorated and is substantially below the amount secured by such collateral and thus, resulting in significant loss to the ETF. (iv) foreign exchange risk: Assets and securities of an ETF may be denominated in a currency that differs from the currency in which the ETF's NAV and/or the product is denominated. Accordingly, any fluctuation in the relevant currency exchange rates will affect the value of the underlying securities and assets of the ETF as well as the NAV of the ETF, which in turn may affect the market value of the product. (v) liquidity risk: The ETF may be less liquid than the underlying securities it tracks and as a result, an investor could be exposed to greater liquidity risk in the event of early termination than if the product is linked directly to the underlying securities. (vi) trading at discount or premium: An ETF may be traded at discount or premium to its NAV and such price discrepancy is caused by supply and demand factors. This may arise during the periods of high market volatility and in particular, where index/market that the ETF tracks is subject to direct investment restrictions.
Similar risks to a direct investment in futures contracts	The Products aims *inter alia* to replicate, directly and/or indirectly, the performance of long and/or short positions in selected futures. Consequently, an investment in the Products, to a certain extent, is subject to market risks similar to direct investment in such a futures contract. Futures prices can differ substantially from the spot price of the underlying financial instrument (e.g. shares, indices, interest rates, currencies) or underlying commodity and precious metal (e.g. oil, wheat, sugar, gold, silver). Investors must be aware of the fact that the futures price and, accordingly, the value of the

	Products does not always move in the same direction or at the same rate as the spot price of such underlying. Therefore, the value of the Products can fall substantially even if the spot price of the relevant underlying of the futures contract remains stable or rises. **Contango and backwardation:** The prices of the longer-term and the shorter-term futures contract can differ even if all other contract specifications are the same. If the prices of longer-term futures contracts are higher than the price of the shorter-term futures contract to be exchanged (so-called contango), the number of futures contracts held is reduced with the roll-over. Conversely, if the prices of short-term futures are higher (so-called backwardation), the number of futures contracts held is increased with the roll-over (without taking into account roll-over expenses). In addition, expenses for the roll-over itself are incurred. This may result in a negative effect for the value of the Products and the redemption.
Risk relating to leverage	Investors should be aware that the inclusion of leverage will amplify gains or losses. Leverage has the effect of increasing the volatility of an investment. Investors should be aware this Product may have a gross exposure (the sum of the exposure of leverage applied to each underlying asset) may be greater than the Denomination of the Product.
No systematic reporting of last-sale information for foreign currencies	There is no systematic reporting of last-sale information for foreign currencies. Reasonable current bid and offer information is available in certain brokers' offices, in bank foreign currency trading offices, and to others who wish to subscribe for this information, but this information will not necessarily reflect the relevant currency exchange rate relevant for determining the value of the Products. The absence of last-sale information and the limited availability of quotations to individual investors make it difficult for many investors to obtain timely, accurate data about the state of the underlying foreign exchange markets.
Illiquidity risk in secondary market	The Issuer or the Lead Manager, as applicable, intends, under normal market conditions, to provide bid and/or offer prices for this Product on a regular basis. However, the Issuer or the Lead Manager, as applicable, makes no firm commitment to provide liquidity by means of bid and/or offer prices for this Product, and assumes no legal obligation to quote any such prices or with respect to the level or determination of such prices. Potential Investors therefore should not rely on the ability to sell this Product at a specific time or at a specific price. Potential Investors should note that prices quoted typically include a spread and therefore may deviate from the market value of the Product. In special market situations, where the Issuer is completely unable to enter into hedging transactions, or where such transactions are very difficult to enter into, the spread between the bid and offer prices in the secondary market may be temporarily expanded, in order to limit the economic risks of the Issuer. Hence, Investors might sell at a price considerably lower than the actual price of the Product at the time of its sale. By selling the Product in the secondary market Investors may receive less than the capital invested. In case of a secondary market transaction, there is a possibility that costs, including taxes, related to or in connection with the Product may arise for Investors that are not paid by the Issuer or imposed by the Issuer.
Market Disruption risk	Investors are exposed to Market Disruption Events (such as trading disruption, exchange disruption and early closure of the relevant exchange), which could have an impact on the redemption amount through delay in payment, change in value or suspension of trading in the Product in the secondary market.
Calculation Agent's discretion	The Calculation Agent has a broad discretionary authority to make various determinations and adjustments under the Products, any of which may have an adverse effect on the value and/or the amounts payable under the Products. Prospective investors should be aware that any determinations made by the Calculation Agent may have an impact on the value and financial return of the Products. Where the Calculation Agent is required to make a determination it may do so without taking into account the interests of the holders of the Product.

Withholding tax	Investors in this Product should note that any payment under this Product may be subject to withholding tax (such as, inter alia, Swiss Withholding Tax, and/or withholding related to FATCA or 871(m) of the US Tax Code). **Any payments due under this Product are net of such tax.** Regarding 871(m) investors should note that a 30% withholding tax is imposed on certain "dividend equivalents" paid or deemed paid to a non-U.S. holder with respect to a "specified equity-linked instrument" that references one or more dividend-paying U.S. equity securities. The withholding tax can apply even if the instrument does not provide for payments that reference dividends. Treasury regulations provide that the withholding tax applies to all dividend equivalents paid or deemed paid on specified equity-linked instruments that have a delta of one ("delta one specified equity-linked instruments") issued after 2016 and to all dividend equivalents paid or deemed paid on all other specified equity-linked instruments issued after 2020. The Issuer will treat the Products as specified equity-linked instruments that are subject to withholding on dividend equivalents. The Issuer will withhold 30% in respect of dividend equivalents paid or deemed paid on the Products and will not pay any additional amounts with respect to any such taxes withheld. In respect of any Constituents which are U.S. equity securities, for purposes of determining the amount of a dividend treated as notionally reinvested, such dividend shall be reduced by the 30% withholding tax as referenced under the section "Dividend Treatment" above. The Issuer hereby notifies each holder that for purposes of Section 871(m), the Issuer will withhold in respect of dividend equivalents paid or deemed paid on the Products on the dividend payment date as described in Treasury regulations section 1.1441-2(e)(4) and Revenue Procedure 2017-15 §3.03(B), as applicable. Investors in the Products should consult their own tax advisors regarding the application of the withholding tax to their Products and the availability of any reduction in tax pursuant to an income tax treaty. No assurance can be given that investors in the Products will be able to successfully claim a reduction in tax pursuant to an income tax treaty. Please refer to the General Terms and Conditions for detailed information. If the Issuer is required to withhold any amount pursuant to Section 871(m) or FATCA of the U.S. Tax Code, the Issuer will not be required to pay additional amounts with respect to the amount so withheld.

Risk Factors relating to the Issuer

In addition to the market risk with regard to the development of the Reference Portfolio, each investor bears the general risk that the financial situation of the Issuer could deteriorate. The Products constitute immediate, unsecured and unsubordinated obligations of the Issuer, which, particularly in case of insolvency of the Issuer, rank *pari passu* with each and all other current and future unsecured and unsubordinated obligations of the Issuer, with the exception of those that have priority due to mandatory statutory provisions. The general assessment of the Issuer's creditworthiness may affect the value of the Products. This assessment generally depends on the ratings assigned to the Issuer or its affiliated companies by rating agencies such as Moody's, Fitch and Standard & Poor's.

The Issuer Ratings indicated in this document reflect the situation at the time of issuance and may be subject to changes. The actual Issuer Ratings at any given time can be seen on the Issuer's website (www.ubs.com) under "Analysts & Investors".

4. Additional Information

Product Documentation

This document ("**Final Terms**") constitutes the Simplified Prospectus for the Product and contains the information required by Article 5 CISA and the corresponding Guidelines of the Swiss Bankers Association. The prospectus requirements of Article 652a/Article 1156 of the Swiss Code of Obligations are not applicable.
These Final Terms (Simplified Prospectus) together with the 'General Terms and Conditions for Structured Products on Equity, Commodity and Index Underlyings, stipulated in English and as amended from time to time ("**General Terms and Conditions**") shall form the entire documentation for this Product ("**Product Documentation**"), and accordingly the Final Terms should always be read together with the General Terms and Conditions. The Simplified Prospectus may be provided in various languages, however, only the English version shall be relevant and any translations are for convenience only. Definitions used in the Final Terms, but not defined herein shall have the meaning given to them in the General Terms and Conditions. In the event that the Product is listed (see above item "**Listing**" under "**General Information**"), the Product Documentation will be amended in accordance with the listing requirements of the relevant exchange.

The Product Documentation can be obtained free of charge from UBS AG, P.O. Box, CH-8098 Zurich (Switzerland), via telephone (+41-(0)44-239 47 03), fax (+41-(0)44-239 69 14) or via e-mail (swiss-prospectus@ubs.com). In addition, for clients outside of the United Kingdom, the Product Documentation is available on the internet at www.ubs.com/keyinvest. Notices in connection with this Product shall be validly given by publication as described in the General Terms and Conditions. Furthermore, for clients outside of the United Kingdom, any changes with regard to the terms of this Product shall be published on the internet at www.ubs.com/keyinvest.

Important Information

The information herein is communicated by UBS AG and/or its affiliates ("**UBS**"). UBS may from time to time, as principal or agent, have positions in, or may buy or sell, or make a market in any securities, currencies, financial instruments or other assets underlying the Product to which this document relates. UBS may provide investment banking and/or other services to and/or have officers who serve as directors of the companies referred to in this document. UBS' trading and/or hedging activities related to this Product may have an impact on the price of the underlying asset(s) and may affect the likelihood that any relevant barrier(s) is/are crossed. UBS has policies and procedures designed to minimise the risk that officers and employees are influenced by any conflicting interest or duty and that confidential information is improperly disclosed or made available.

In certain circumstances UBS sells this Product to dealers and other financial institutions at a discount to the issue price or rebates to them for their account some proportion of the issue price ("**Distribution Fees**"). Distribution Fees, if any, are disclosed in section 1 of this document and reflect the maximum amount a dealer or financial institution may receive from UBS; the actual amount may be lower.

Structured transactions are complex and may involve a high risk of loss. Prior to entering into a transaction you should consult with your own legal, regulatory, tax, financial and accounting advisors to the extent you consider it necessary, and make your own investment, hedging and trading decisions (including decisions regarding the suitability of this transaction) based upon your own judgement and advice from those advisers you consider necessary. Save as otherwise expressly agreed in writing, UBS is not acting as your financial adviser or fiduciary in any transaction.

This document should not be construed as an offer, personal recommendation or solicitation to conclude a transaction and should not be treated as giving investment advice. The terms of any investment in the Product to which this document relates will be exclusively subject to the detailed provisions, including risk considerations, contained in the Product Documentation.

UBS makes no representation or warranty relating to any information herein which is derived from independent sources. This document shall not be copied or reproduced without UBS' prior written permission.

No action has been or will be taken in any jurisdiction that would permit a public offering of the Products described herein, save where explicitly stated in the Product Documentation. The Products must be sold in accordance with all applicable selling restrictions in the jurisdictions in which they are sold.

There is a possibility that costs, including taxes, related to transactions in connection with this Product may arise for investors that are not paid by UBS or imposed by it. Please refer to the Product Documentation for further information.

Selling Restrictions

Any Products purchased by any person for resale may not be offered in any jurisdiction in circumstances which would result in the Issuer being obliged to register any further documentation relating to this Product in such jurisdiction.

The restrictions listed below must not be taken as definitive guidance as to whether this Product can be sold in a jurisdiction. Additional restrictions on offering, selling or holding of this Product may apply in other jurisdictions. Investors in this Product should seek specific advice before on-selling this Product.

European Economic Area - In relation to each Member State of the European Economic Area (each, a "**Member State**"), an offer of the Products to the public in a Member State may only be made in accordance with the following exemptions as set out in the Regulation (EU) 2017/1129 (as may be amended or replaced from time to time) (the "**Prospectus Regulation**"):

(a) Qualified investors: at any time to any legal entity which is a qualified investor as defined in the Prospectus Regulation;

(b) Fewer than 150 offerees: at any time to fewer than 150 natural or legal persons (other than qualified investors as defined in the Prospectus Regulation);

(c) An offer of Products addressed to investors who acquire Products for a total consideration of at least EUR 100,000 per investor, for each separate offer; and/or

(d) Other exempt offers: at any time in any other circumstances falling within Article 1 (4) of the Prospectus Regulation,

provided that no such offer of Products referred to in (a) to (d) above shall require the publication of a prospectus pursuant to Article 3 of the Prospectus Regulation, or supplement a prospectus pursuant to Article 23 of the Prospectus Regulation.

For the purposes of this provision, the expression "offer of Securities to the public" in relation to any Products in any Member State means the communication in any form and by any means of sufficient information on the terms of the offer and the Products to be offered so as to enable an investor to decide to purchase or subscribe the Products.

The aforementioned restrictions shall not apply for jurisdictions specified in the section "Public Offering" under "General Information" above.

Contact: UBS AG, P.O. Box, 8098 Zürich

Institutional Investors +41-44-239-77 60* Internet: www.ubs.com/keyinvest
Private Investors derivatives@ubs.com

Please note that calls made to the numbers marked with an asterisk (*) may be recorded. Should you call one of these numbers, we shall assume that you consent to this business practice.

Hong Kong

Each purchaser has represented and agreed that it has not issued or had in its possession for the purposes of issue, and will not issue or have in its possession for the purposes of issue, whether in Hong Kong or elsewhere, any advertisement, invitation or document relating to the Products, which is directed at, or the contents of which are likely to be accessed or read by, the public of Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to Products which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" as defined in the Securities and Futures Ordinance (Cap. 571) of Hong Kong and any rules made under that Ordinance.

This is a structured product which involves derivatives. Do not invest in it unless you fully understand and are willing to assume the risks associated with it. If you are in any doubt about the risks involved in the product, you may clarify with the intermediary or seek independent professional advice.

Singapore

This document has not been registered as a prospectus with the Monetary Authority of Singapore. Accordingly, this document and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of this Product may not be circulated or distributed, nor may this Product be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than (i) to an institutional investor under Section 274 of the Securities and Futures Act (Cap. 289) of Singapore ("**SFA**"), (ii) to a relevant person pursuant to Section 275(1), or any person pursuant to Section 275(1A) of the SFA, and in accordance with the conditions specified in Section 275, of the SFA or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.

Where this Product is subscribed or purchased under Section 275 of the SFA by a relevant person which is:

(a) a corporation (which is not an accredited investor (as defined in Section 4A of the SFA)) the sole business of which is to hold investments and the entire share capital of which is owned by one or more individuals, each of whom is an accredited investor; or

(b) a trust (where the trustee is not an accredited investor) whose sole purpose is to hold investments and each beneficiary of the trust is an individual who is an accredited investor, securities (as defined in Section 239(1) of the SFA) of that corporation or the beneficiaries' rights and interest (howsoever described) in that trust shall not be transferred within six months after that corporation or that trust has acquired the securities pursuant of an offer made under Section 275 of the SFA except:

(1) to an institutional investor or to a relevant person defined in Section 275(2) of the SFA, or to any person arising from an offer referred to in Section 275(1A) or Section 276 (4)(i)(B) of the SFA;

(2) where no consideration is or will be given for the transfer;

(3) where the transfer is by operation of law;

(4) as specified in Section 276 (7) of the SFA; or

(5) as specified in Regulation 32 of the Securities and Futures (Offers of Investments) (Shares and Debentures) Regulations 2005 of Singapore.

Pursuant to section 309B(1)(c) of the SFA, the Issuer hereby notifies the relevant persons (as defined in the SFA) that the Notes are classified as "capital markets products other than prescribed capital markets products" (as defined in the SFA and the Securities and Futures (Capital Markets Products) Regulations 2018) and "Specified Investment Products" (as defined in the MAS Notice SFA 04-N12: Notice on the Sale of Investment Products and MAS Notice FAA-N16: Notice on Recommends on Investment Products).

USA

The Products have not been and will not be registered under the United States Securities Act of 1933, as amended ("Securities Act") and may not be offered or sold within the United States or to, or for the account or benefit of, United States persons, as defined in the clause (ii) in the below paragraph. Unless otherwise defined herein, terms used in this paragraph have the meanings given to them by Regulation S under the Securities Act.

Upon the purchase of the Product, each Investor or holder of the Product is deemed to represent to the Issuer that: i) it understands that the Products have not been and will not be registered under the Securities Act and may not be offered or sold within the United States or to, or for the account or benefit of, US persons; ii) it is not a "United States person," as that term is defined under section 7701(a)(30) of the United States Internal Revenue Code of 1986; and iii) it, or any subsequent purchaser or transferee of the Products, will not reoffer, resell or pledge, the Products or otherwise transfer any interest therein to a United States person, as defined in clause (ii) above. For the purposes of this clause (ii) a United States person shall include pass-thru entities with at least one owner that meets the definition of United States person under section 7701(a)(30) of the United States Internal Revenue Code of 1986.

UBS

Annex 1 – Reference Portfolio Description Document

1 General information about the Reference Portfolio

As described in Section 1 ("**Description of the Product**") of this document, the **Reference Portfolio** is a notional reference portfolio (denominated in the Reference Portfolio Currency), actively created, advised on, and maintained by the **Reference Portfolio Advisor**.

The Reference Portfolio Advisor has created the Reference Portfolio by selecting the initial Constituents (the "**Initial Constituents**") on the Pricing Date. The Initial Constituents are listed in Section 4 of the Annex below.

The Reference Portfolio Advisor is responsible for adjusting the composition of the Reference Portfolio from time to time thereafter (any such adjustment a "**Rebalancing**") in accordance with Section 5 below. Certain limitations apply as to the composition of the Reference Portfolio from time to time as described in such section and as well in Section 3 of the Annex below.

The level of the Reference Portfolio (the "**Reference Portfolio Level**") is calculated in the Reference Portfolio Currency, net of fees and costs associated with the creation, maintenance and rebalancing of the Reference Portfolio, as described Section 1 ("**Description of the Product**") of this document.

2 Reference Portfolio Investment Universe, title selection criteria and investment restrictions

The Reference Portfolio, whose composition may vary from time to time, is actively advised by the Reference Portfolio Advisor and represents a notional investment in the Reference Portfolio Components. The Reference Portfolio Advisor may select any securities, assets, exposures or contracts that are part of the Investment Universes described below for inclusion in the notional Reference Portfolio (with such securities, assets, exposures or contracts becoming "Constituents" after inclusion in the Reference Portfolio) in its sole and reasonable discretion pursuant and subject to the provisions contained in this document. The Calculation Agent may retain the right to reject the inclusion of any Eligible Constituent due to any applicable rules, regulations and internal or external restrictions according to the provisions as set out below in Section 3 ("**Investment Restrictions**") or Section 5 ("**Rebalancing of the Reference Portfolio**").

The Universes below shall together be referred to as the "**Investment Universes**". In respect of the Investment Universes, all securities, assets, exposures or contracts which are eligible for inclusion in the Reference Portfolio shall collectively be referred to as "**Eligible Constituents**".

2.1 Stock Constituents

The Reference Portfolio may reference as Stock Constituents long only positions in stocks from the universe described below (the "**Stock Investment Universe**").

Only Developed Market (as defined in the most recent MSCI Global Investable Market Indexes Methodology) worldwide stocks may be incorporated as Stock Constituents in the Reference Portfolio, subject to the Issuer's ability to access and offer such stocks, as determined by the Calculation Agent in its sole and absolute discretion.

2.2 Futures Constituents

The Reference Portfolio may reference as Futures Constituents long and/or short positions in equity futures markets from the universe described below (the "**Futures Investment Universe**").

Only futures markets linked to benchmark equity indices may be incorporated as long and/or short Futures Constituents in the Reference Portfolio, subject to the Issuer's ability to access and offer such futures markets at a commercially reasonable cost to the Issuer, as determined by the Calculation Agent in its sole and absolute discretion.

2.3 ETF Constituents

The Reference Portfolio may reference as ETF Constituents long only positions in certain ETFs from the universe described below (the "**ETF Investment Universe**").

Only ETFs which are classified as UCITS-compliant or 1940 Act-compliant Funds with assets under management greater and equal to USD 500 million may be incorporated as long ETF Constituents in the Reference Portfolio, subject to the Issuer's ability to access and offer such ETFs at a commercially reasonable cost to the Issuer, as determined by the Calculation Agent in its sole and absolute discretion.

In respect of the dividend treatment of ETF Constituents, refer to Section 1 ("**Description of the Product**") of this document.

2.4 FX Forward Constituents

The Reference Portfolio may reference as FX Forward Constituents long or short positions in certain FX forwards from the universe described below (the "**FX Forward Investment Universe**").

Only FX Forwards exposed to G10 currencies may be incorporated as FX Constituents in the Reference Portfolio.

In the absence of other instructions from the Reference Portfolio Advisor, FX Forward Constituents will be closed out automatically on the expiration date of the FX forwards and their performances will be taken into account at the Reference Portfolio Level by converting them into the Settlement Currency at the then prevailing currency exchange rate, as determined by the Calculation Agent. Such automatic close out shall not count as a Rebalancing.

2.5 Securitised Products Constituents

The Reference Portfolio may reference as Securitised Products Constituents long positions in certain securitised products as described below (the "**Securitised Product Investment Universe**").

	Constituent	**Bloomberg Ticker**
1	UBS ETC BCOM Silver USD	BCSIUU SW Equity
2	UBS ETC BCOM Gold USD	BCXAUU SW Equity

Only securitised products issued by UBS AG may be incorporated as Securitised Products Constituents in the Reference Portfolio.

2.6 Synthetic Currency Account Constituents

The Reference Portfolio may reference as Synthetic Currency Account Constituents positive or negative notional cash balances from the universe described below (the "**Synthetic Currency Account Investment Universe**").

	Constituent	**Currency**	**Account Reference Rate**	**Account Spread**
1	USD Synthetic Currency Account	USD	SOFR Overnight (Bloomberg page: SOFRRATE<Index>) (the "**Account Relevant Screen Page**") plus the Account Spread	In respect of positive notional cash balances, 0.00% In respect of negative notional cash balances, 0.30%
	GBP Synthetic Currency Account	GBP	GBP Forward Implied 3 Month Rate (Bloomberg Page: GBPI3M Curncy) (the "**Account Relevant Screen Page**") plus the Account Spread	In respect of positive notional cash balances, 0.00% In respect of negative notional cash balances, 0.30%

The inclusion of Synthetic Currency Account Constituents allows for the execution of notional FX spot transactions to convert between the currencies of the various Synthetic Currency Account Constituents. The interest rate applied to each Synthetic Currency Account Constituent (each an "**Account Reference Rate**") is shown above, which will be inclusive of different spreads applied for positive and negative notional cash balances (each an "**Account Spread**").

Each component of the Account Reference Rate is referred to as an Account Reference Rate Component, including any spread that is applied. Each Account Reference Rate Component, with the exception of the Account Spread, corresponds to an Account Relevant Screen Page from which such Account Reference Rate Component is sourced, as shown above.

If any Account Relevant Screen Page does not display an interest rate, the corresponding Account Reference Rate Component shall be determined with reference to an equivalent interest rate on the corresponding page of another financial information service. If the required interest rate is no longer displayed in one of these forms, the Calculation Agent is entitled to specify at its sole and reasonable discretion a success Relevant Screen Page as the basis for the Account Reference Rate.

2.7 Cash Position

The Reference Portfolio will also contain a Cash Position as a Reference Portfolio Component, which represents a notional holding of a cash account denominated in the Reference Portfolio Currency and accruing interest at the prevailing reference rate (the "**Reference Rate**"), which can be negative from time to time.

The Reference Rate is observed on every week day and shall be equal to the EUR Forward Implied 3 Month Rate (Bloomberg Page: EURI3M Curncy) (the "**Relevant Screen Page**") plus a spread (the "**Spread**") (each a "**Reference Rate Component**").

In respect of a positive Cash Position, the Spread shall be 0.00% and in respect of a negative Cash Position, the Spread shall be 0.30%.

A "**Reference Rate Adjustment Event**" shall be deemed to have occurred where a Reference Rate Component (i) has ceased to be, or will cease to be, available, (ii) is one which a relevant regulatory supervisor has determined is no longer, or as of a specified future date will no longer be, representative of the underlying market and economic reality that such rate is intended to measure, or (iii) is no longer suitable for the purpose of determining the Reference Rate taking into account the accrual rate or cost of financing incurred or charged by the Issuer, in each case as determined by the Calculation Agent in its sole discretion.

Upon the occurrence of a Reference Rate Adjustment Event, the Calculation Agent may make adjustments in its sole discretion to (i) any or all of the Reference Rate Components (including for the avoidance of doubt, the Spread), and (ii) the then prevailing formula for determining the Reference Rate, and shall determine the effective date of such adjustment(s).

The value of the Cash Position will thereafter be negatively or positively affected by any fee or any other distribution as described in the relevant section under Section 1 ("**Description of the Product**") of this document.

The value of the Cash Position will also be positively or negatively affected by an increase or decrease due to the performance of Futures Constituents. On each week day, the performance of such Constituents, positive or negative, will be transferred to or from the Cash Position. Such transfer to or from the Cash Position is intended to reflect the mark-to-market performance of the Constituent.

3 Investment Restriction

Constituents may be selected by the Reference Portfolio Advisor for notional purchase or, as the case may be, sale or unwind in accordance with the following investment restrictions (the "**Investment Restrictions**"):

3.1 Portfolio Investment Restrictions

3.1.1 The sum of the Exposures of all Constituents, excluding FX Forward Constituents, is capped at a maximum of 200% (the "**Leverage Threshold**") at all times during the lifetime of the product.

3.1.2 The sum of the absolute values of the Exposures of all Constituents is capped at a maximum of 200% (the "**Gross Leverage Threshold**") at all times during the lifetime of the product.

3.1.3 The sum of the Exposures of all Constituents in respect of which the Reference Portfolio has a long position is capped at a maximum of 200% (the "**Long Leverage Threshold**") at all times during the lifetime of the product.

3.1.4 The sum of the absolute values of the Exposures of all Constituents in respect of which the Reference Portfolio has a short position is capped at a maximum of 100% (the "**Short Leverage Threshold**") at all times during the lifetime of the product.

3.1.5 A value at risk ("**VaR**") limit of 60% of the Stop Loss Level must be maintained at all times, including for the avoidance of doubt when a Rebalance occurs (taking into account the Eligible Constituents to which the Reference Portfolio shall acquire exposure, or the existing Constituents to which the Portfolio shall increase or decrease exposure in respect of such Rebalance). The VaR shall be the worst of the 99% confidence level over a 2 week period time horizon (calculated by scaling the 1 day VaR) between the 1 year, 2 year and 3 year and Monte Carlo VaR, as specified by the Calculation Agent in its sole discretion.

3.2 Constituent Investment Restrictions

3.2.1 The Weight of the Cash Position shall at all times be greater than -100%.

3.2.2 The Weight of the Cash Position shall, on average throughout a calendar year, be smaller than 50%.

3.2.3 The absolute value of the Exposure of each Stock Constituent is capped at a maximum of 20%.

3.2.4 The Exposure of any single ETF Constituent is capped at 33%.

3.2.5 The absolute value of the Holdings of each ETF Constituent is capped at a maximum of 5% of the assets under management of such Constituent, as determined by the Calculation Agent in its sole and reasonable discretion (the "**Concentration Threshold**") at all times during the lifetime of the product.

For the avoidance of doubt: The responsibility and legal duty that the Reference Portfolio complies with the above guidelines is solely with the Reference Portfolio Advisor.

3.3 Consequences of Investment Restrictions Breaches

In case any of the above Investment Restrictions are breached at any time during the life of the product, the Issuer has the right, but is not obliged, to notionally unwind Constituents at its sole and reasonable discretion until no such breach exists. In respect of such notional unwind, a notional credit or debit, as the case may be, shall be made to the Cash Position corresponding to the Notional Net Disposal Value of such Constituents with effect from the date of the notional unwind.

3.4 Additional Definitions

"**Weight**" means, with respect to the Pricing Date or any week day and pertaining to any Reference Portfolio Component, the notional value of such Reference Portfolio Component divided by the Reference Portfolio Level, as determined by the Calculation Agent in its sole and reasonable discretion.

"**Exposure**" means, with respect to the Pricing Date or any week day and pertaining to any Constituent, the notional exposure in the Reference Portfolio Currency of such Constituent, as converted into the Reference Portfolio Currency, where such Constituent is not denominated in the Reference Portfolio Currency, at the then prevailing currency exchange rate, divided by the Reference Portfolio Level, both as determined by the Calculation Agent in its reasonable discretion.

"**Holdings**" means, with respect to the Pricing Date or any week day and pertaining to an ETF Constituent, the Weight of such Constituent, multiplied by the Reference Portfolio Level and by the prevailing number of outstanding Portfolio Certificates, all as determined by the Calculation Agent in its sole and reasonable discretion.

4 Initial Composition of the Reference Portfolio

The Reference Portfolio was created on the Pricing Date with an initial value equal to the Initial Reference Portfolio Level. On the Pricing Date, the Constituents were as set out below.

	Bloomberg Ticker	Reference Portfolio Component	Base Currency	Foreign Currency*	Tenor*	Price	Weight
1	BCXAUU SW Equity	UBS ETC linked to the Bloomberg Gold Subindex TR	EUR	USD	NA	367.75	5%
2	AGG US Equity	iShares Core U.S. Aggregate Bond ETF	EUR	USD	NA	112.93	10%
3	XLU US Equity	Utilities Select Sector SPDR Fund (U.S.)	EUR	USD	NA	64.09	5%
4	XLP US Equity	Consumer Staples Select Sector SPDR Fund (U.S.)	EUR	USD	NA	61.15	5%
5	ESZ9 Index	S&P 500 E-mini Dec19	EUR	USD	NA	3059.5	-5%
6	NQZ9 Index	Nasdaq 100 E-mini Dec19	EUR	USD	NA	8147.75	-5%
7	VGZ9 Index	Euro Stoxx 50 Dec19	EUR	EUR	NA	3619	-5%
8	CAZ9 Index	Euro Stoxx Banks Dec19	EUR	EUR	NA	90.7	-5%
9	USD/JPY Curncy	United States Dollar / Japanese Yen Cross	NA	NA	29Nov19	108.0504 (forward price)	-10%

* This column is applicable for FX Constituents only.

The current composition of the Reference Portfolio (including the respective Weights) may be requested free of charge at any time from UBS AG, P.O. Box, CH-8098 Zurich (Switzerland), via telephone (+41-(0)44-239 47 03), fax (+41-(0)44-239 69 14) or via e-mail (swiss-prospectus@ubs.com).

5 Rebalancing of the Reference Portfolio

5.1 A Rebalancing may be initiated by the Reference Portfolio Advisor on any Business Day following the Pricing Date, effective as soon as reasonably practicable, as determined by the Calculation Agent in its sole and reasonable discretion (such day, a "**Reference Portfolio Adjustment Date**"), subject to the occurrence of a Market Disruption Event.

The number of Rebalancings in any such 12 month period shall be less than 52.

For the avoidance of doubt, a single Rebalancing may comprise of a change to more than one Constituent, and therefore a change in the position of multiple Constituents which were the result of a single Rebalancing instruction by the Reference Portfolio Advisor shall be considered as one Rebalancing.

5.2 On any Business Day, the Reference Portfolio Advisor may, as it deems appropriate in its sole and reasonable discretion, give notice to the Calculation Agent of its intention to initiate a Rebalancing on such day (a "**Rebalancing Notice**"), and effective on the Reference Portfolio Adjustment Date.

Save as the Calculation Agent may otherwise agree, a Rebalancing Notice shall not be effective if, at the time of such Rebalancing Notice is received, a Rebalancing in respect of any Rebalancing Notice received earlier on such Business Day has not yet been completed or otherwise rejected. For the purposes hereof, a Rebalancing is deemed completed upon notification by the Calculation Agent to the Reference Portfolio Advisor, with respect to the relevant Rebalancing, of the relevant Notional Net Acquisition Value of each Constituent notionally included in the Reference Portfolio, the Notional Net Disposal Value(s) of each Constituent notionally removed from the Reference Portfolio and the Exposure of each applicable Constituent notionally comprised in the Reference Portfolio following the relevant Rebalancing.

5.3 Should the Calculation Agent determine that a Rebalancing shall be effective over multiple days (for example in the scenario where some Constituents or Eligible Constituents, as the case may be, referenced in a Rebalancing may be notionally acquired or unwound on a Constituents Business Day and other Constituents or Eligible Constituents, as the case may be, referenced in the same Rebalancing may be notionally acquired or unwound on a subsequent (immediately following or otherwise) Constituents Business Day), then despite the effective date covering multiple Constituents Business Days, it shall be treated as a single Rebalancing.

5.4 The Calculation Agent will determine the exact number of units for each Constituent based on prevailing market conditions, including currency exchange rates when relevant, in its sole and reasonable discretion. Such number may deviate from the target Exposure recommended by the Reference Portfolio Advisor.

5.5 On each Reference Portfolio Adjustment Date, notional debits and credits to the Cash Position shall be made as follows:

(i) In respect of the notional acquisition of exposure to a Constituent, a notional debit or credit, as the case may be, shall be made to the Cash Position corresponding to the Notional Net Acquisition Value of such Constituent, with effect from the date of the notional acquisition of exposure to such Constituent; and

(ii) In respect of the notional unwind of exposure to a Constituent, a notional debit or credit, as the case may be shall be made to the Cash Position corresponding to the Notional Net Disposal Value of such Constituent, with effect from the date of the notional unwind of exposure to such Constituent.

For the avoidance of doubt, if the notional acquisition or unwind of exposure to a Constituent results in the notional credit or debit to the Cash Position and such Constituent is not denominated in the Reference Portfolio Currency, then the Calculation Agent will apply the prevailing currency exchange rate, as determined in its sole and reasonable discretion determine the value of the notional credit or debit to the Cash Position.

5.6 The Calculation Agent is entitled but has no legal duty to refuse the notional acquisition or unwind of exposure to any Constituent and to require the Reference Portfolio Advisor to initiate a Rebalancing in certain circumstances, as follows:

5.6.1 The Reference Portfolio Advisor has selected a security, asset, exposure or contract for inclusion in the notional Reference Portfolio which is not part of the respective Investment Universes;

5.6.2 The Reference Portfolio is, or following the relevant Rebalancing would, breach any of the Investment Restrictions or any other rule or provision contained herein;

5.6.3 A Market Disruption Event (which includes a FX Disruption Event) has occurred in respect of the relevant Constituent on the relevant Reference Portfolio Adjustment Date;

5.6.4 The Calculation Agent determines that a Hedging Disruption Event has occurred in relation to the Constituent. In this paragraph, "**Hedging Disruption Event**" means the determination by the Calculation Agent that it would not be reasonably practicable or it would otherwise be undesirable, for any reason, for a notional investor wholly or partially to establish, re-establish, substitute or maintain any hedging transaction which in the determination of the Calculation Agent would be necessary or desirable to hedge the obligations of an issuer of securities linked to the exposure of the Reference Portfolio (such reasons may include, but are not limited to (i) any material illiquidity in the market for any Constituent, (ii) a change

in any applicable law (including, without limitation, any tax law) or the promulgation of, or change in, the interpretation of any court, tribunal or regulatory authority with competent jurisdiction of any applicable law (including any action taken by a taxing authority); or (iii) the general unavailability of market participants who would agree to enter into any such hedging transaction on commercially reasonable terms or at all; and

5.6.5 The Calculation Agent determines that it would not be reasonably practicable for a notional investor in the same position as the Issuer to make purchases and/or sales of the Constituent(s), as the case may be, due to compliance, regulatory, reporting or reputational constraints, take-over considerations, internal restrictions or lack of internal approval.

In the event that the Calculation Agent requires the Reference Portfolio to initiate a Rebalancing such that the Reference Portfolio complies with the foregoing, the Reference Portfolio Advisor shall, as soon as is reasonably practicable and without undue delay, initiate a Rebalancing such that the Reference Portfolio complies with the foregoing as at the immediately following Reference Portfolio Adjustment Date. The Reference Portfolio Advisor has no right to object to such Rebalancing required by the Calculation Agent.

Notwithstanding the entitlements of the Calculation Agent under this paragraph, the sole responsibility and legal duty to advise the Reference Portfolio in compliance with the rules and provisions contained in this document is with the Reference Portfolio Advisor.

5.7 As soon as is reasonably practicable after receipt of an effective Rebalancing Notice on a Reference Portfolio Adjustment Date, and subject to any rejection, the Calculation Agent shall notify the Reference Portfolio Advisor of (a) the Notional Net Acquisition Value and/or Notional Net Disposal Value applicable to each Constituent that is subject to the Rebalancing and (b) the Exposure of each Constituent comprised in the Reference Portfolio as a result of the Rebalancing. Upon receipt by the Reference Portfolio Advisor of such notice from the Calculation Agent, the Rebalancing shall be binding and conclusive on the Reference Portfolio Advisor in the absence of manifest error.

For the avoidance of doubt, a proposed Rebalancing shall be effective only if and to the extent that the Calculation Agent, on the Reference Portfolio Adjustment Date on which the relevant Rebalancing Notice is given, notifies to the Reference Portfolio Advisor the information mentioned in (a) and (b) above. Should a proposed Rebalancing not be fully effective on a Reference Portfolio Adjustment Date, subject to clause 5.3, the Reference Portfolio Advisor will be required to deliver one or more further Rebalancing Notices in accordance with the provisions hereof to execute the remainder of the initially proposed Rebalancing.

5.8 In this Section:

(i) "**Notional Net Acquisition Value**" means, in relation to an Eligible Constituent, the notional price (net of any applicable Adjustment Fee) at which the Calculation Agent determines that a notional investor would be able to notionally acquire exposure to such Constituent (where applicable, on the relevant Exchange) at the execution time on the relevant Reference Portfolio Adjustment Date, as converted into Reference Portfolio Currency where such Constituent is not denominated in the Reference Portfolio Currency, at the then prevailing currency exchange rate, each as determined by the Calculation Agent in its sole and reasonable discretion; and

(ii) "**Notional Net Disposal Value**" means, in relation to a Constituent, the notional price (net of any applicable Adjustment Fee) at which the Calculation Agent determines that a notional investor would be able to notionally unwind exposure to such Constituent (where applicable, on the relevant Exchange) at the execution time on the relevant Reference Portfolio Adjustment Date, as converted into Reference Portfolio Currency, where such Constituent is not denominated in the Reference Portfolio Currency, at the then prevailing currency exchange rate, each as determined by the Calculation Agent in its sole and reasonable discretion.

6 Adjustments of the Reference Portfolio

6.1 If, at any time, any event occurs in relation to any Constituent which the Calculation Agent determines requires an adjustment(s) to be made to the composition of the Reference Portfolio, then the Calculation Agent shall (i) determine which adjustment(s) are to be made to the Reference Portfolio with a view to account for the effect of the relevant event and to preserve the prevailing composition of the Reference Portfolio immediately prior to the occurrence of such event and (ii) determine the date on which such adjustment(s) shall take effect.

Notwithstanding the entitlements of the Calculation Agent under this paragraph, the sole responsibility and legal duty to advise the Reference Portfolio in compliance with the rules and provisions contained in this document is with the Reference Portfolio Advisor.