

# **HARBOR Aluminum Benchmark Methodology**

## **HARBOR's US 6063 BILLET DELIVERED SPOT TRANSACTION UPCHARGE**

**April 2022**

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## 1. Introduction

HARBOR's benchmarks seek to achieve, and result in, an accurate and reliable representation of the economic realities of the underlying asset. As a result, HARBOR has implemented a price discovery process, detailed within the present methodology, to achieve this objective on a consistent basis.

This document explains the methodology for the calculation and management of HARBOR's US 6063 Billet Delivered Spot Transaction Upcharge. This upcharge is the amount normally but not necessarily added to the US MW P1020 Spot Premium and the LME price for the delivery of the metal to a specified destination, considering costs associated with alloying, costs associated with the diameter or length of the product, and costs of other value-added services performed throughout the manufacturing process.

The procedures and standards HARBOR Aluminum complies with during the compilation of the benchmarks are freely available on <https://pricingunit.harboraluminum.com>.

## 2. Governance of the HARBOR US 6063 Billet Delivered Spot Transaction Upcharge

To ensure that the HARBOR Aluminum benchmarks are constructed, maintained and operated to the highest standards, the administrator of the HARBOR Aluminum Indices, HARBOR Aluminum employs a robust governance framework to manage the indices, approve new indices and approve changes to the methodologies of existing indices.

### HARBOR Aluminum Index Oversight Committee

The HARBOR Aluminum Index Oversight Committee (formally "the Index Committee") is responsible for the oversight of all aspects relating to the provision of the indices administered by HARBOR Aluminum. Its members are drawn from HARBOR Aluminum's management and staff. The Committee looks to ensure the Indices continually reflect market change and keeps their methodology under constant review in order to meet changing needs of the aluminum market.

The Index Committee uses sophisticated auditing and oversight mechanisms to ensure the calculation of the indices is undertaken strictly according to the index methodology.

The membership of the Committee, and its terms of reference, are approved by HARBOR Aluminum's Board. In considering the Committee's membership, the Board is required to ensure the Committee has the expertise and skills required to fulfil its role.

### HARBOR Aluminum Pricing Committee

Given the heterogeneous nature of the transactional activity, variables embedded in each transaction may vary, to some degree, from the standard product premium specifications reflected in HARBOR's premiums specifications. During the data treatment process, each variable deviation is treated through a price adjustment technique applied to align data to the standard definition. This technique is further referred to as "normalization", and implies different adjustment techniques for each transactional variable (i.e. delivery

location, product shape, credit terms, data adequacy).

HARBOR Aluminum's Pricing Committee, the oversight governing body in charge of daily calculations and publications of benchmark assessments, is responsible for the relevant calculations and normalization process for the determination and publication of HARBOR's benchmark assessments. Once the market data has been collected and the proper assessment calculations are made in accordance to the present methodology, the Pricing Committee considers all the existing information and resolves a final benchmark determination based on consensus vote.

## **Consultation Procedure**

HARBOR's price discovery and data collection process is initiated through a consultation applied to a representative sample of aluminum billet end users (extruders, forging companies, end users that buy billet for tolling purposes), producers and traders, aiming to confirm transactional activity taking place during the period. As the confirmation of transactional activity is HARBOR's highest priority, players on either side of the market (buyers and sellers) are consulted to confirm the legitimacy of each reported transaction and the validity of the data provided.

HARBOR's communication with market participants is comprised of interactions through phone conversations, email, digital messaging, or face-to-face conversational activity.

HARBOR does not establish minimum data/transactions requirements, as market liquidity, along with other economic factors, could lead to a lack of reliable and representative values. To tackle data sufficiency requirements, and to align with industry standards, HARBOR instead uses minimum transactional volumes for each published benchmark (detailed for each benchmark published on HARBOR's Benchmark Specifications and Catalog, but information contained in the catalog for this specific benchmark can be found in section 3 below), which results in a higher reliability and representativeness even in a context of low liquidity.

## **Ongoing Review of Submitters**

All price submitters to and contacting HARBOR aluminum and its subsidiaries are subject to HARBOR's Submitter Code of Conduct. The introduction of this Code of Conduct (the "Code") is designed to address Submitter's compliance with the Principles for Financial Benchmarks published by the Board of the International Organization of Securities Commissions (the "IOSCO Principles") in connection with submissions to the Administrator.

HARBOR follows closely the historical validity of Submitters' data. Transactional data can be expected to be discarded by HARBOR in cases where data is provided by a Submitter whose quality of information has been deemed insufficient and/or inconsistent by HARBOR's Pricing Committee on multiple instances, unless further confirmation and validation of data is obtained.

## **General**

HARBOR Aluminum attaches great importance to confidentiality, and all employees must strictly abide by confidentiality rules, and never disclose any index compilation-related information, whether regarding index values, data or customers, unless required to by law. HARBOR Aluminum strictly prohibits its employees from participating in transactions, offers, or bids as individuals or on behalf of market participants. They are also not permitted to provide market participants with free subscriptions or any other benefits in exchange for price

or market information. A specific conflict of interest declaration is required annually by all employees per HARBOR's Conflict of Interest Policy, in which they declare to have not benefited from non-public information, have not participated in market manipulations for personal gains, or are subject of any other form of conflict of interest given their corporate activities or outside personal interests.

HARBOR Aluminum attaches great importance to the training of all index team members to ensure they have the skills, knowledge and experience necessary to perform their specific responsibilities. HARBOR Aluminum provides index team member employees with various ad-hoc and regular training, and strictly standardizes the training content for employees, from probation to confirmation, to ensure they understand and adhere to internal procedures and methodologies.

### **3. Objectives of the HARBOR US 6063 Billet Delivered Spot Transaction**

#### **Upcharge**

##### **HARBOR Aluminum US 6063 Billet Delivered Spot Transaction Upcharge**

HARBOR Aluminum US 6063 Billet Delivered Spot Transaction Upcharge is a reference premium for the Daily upcharge paid over the full MW P1020 price (MW P1020 premium plus London Metal Exchange cash price for spot physical 99.7% high-grade aluminum) for spot alloy 6063 billet logs of 7-9-inch diameter, delivered nation-wide across the US, on transactions for volumes of 100 mton or higher, arrival within 7-30 days, net-30-day credit terms and standard credit risk, any origin.

The premium reflects physical spot transactions where reported buyers and sellers are both considered not to have a conflict of interest (i.e. downstream company not affiliated to an upstream company and/or without relevant third-party sales of primary or secondary metal), using a representative sample of end-users (extruders, forging companies, etc.), producers and traders. The range assessment reflects the most widely tradable and repeatable upcharge prevailing at the close of US business, after 3:00pm US Central time.

##### **Methods of Sample Collection and Collection Periods**

HARBOR Aluminum accepts information provided for publication in real-time across a wide variety of media. Methods of sample collection include, but are not limited to:

1. Telephone
2. Email
3. Other instant-communication tools
4. Face-to-face conversational activity.

##### **Submission Sources**

HARBOR Aluminum collects transactional prices submitted by a representative sample of end-users (extruders, forging companies, etc.), producers and traders, with transactional activity in the US aluminum market.

## Submission Types

1. Confirmed transactions
2. Reported transactions sourced from market participants

## Submission Detail

HARBOR Aluminum strictly controls the submission collection process to compile the HARBOR US 6063 Billet Delivered Spot Transaction Upcharge, and only considers transactional activity. HARBOR Aluminum not only collects the submitted trade price, but also any significant additional information, such as delivery location, volume size, credit terms, identity of parties, and Incoterms, among others. If necessary, HARBOR Aluminum can require the submitter to provide relevant documents (e.g. specified contracts) to judge the fulfillment of the transaction (contracts) and to verify the validity of data.

HARBOR's benchmark assessments are solely backed up by transactional activity and concluded business over an identified trading period. Quotations, forecasts, bids/offers are not considered given their lack of a consensual price agreement between purchasing and selling parties.

HARBOR's efforts are focused on obtaining full disclosure of relevant and genuine transactional details from consulted market players to ensure the fulfillment of needed requirements for each benchmark specification.

## Verification

HARBOR Aluminum confirms and analyzes submissions as thoroughly as possible and encourages all market participants to become submitters to the HARBOR Aluminum Benchmarks, as more extensive data will increase the accuracy of the indices.

HARBOR Aluminum aims to collect comprehensive information related to Aluminum price, including but not limited to, trading activity, final prices, involved parties, origin, delivery port, volumes, chemistry, and delivery time. HARBOR's Pricing and Risk Management Unit is trained to judge the authenticity of submissions when received.

All data submitted to HARBOR is verified and carefully analyzed by the Pricing Committee. All transactional variables are expected to be fully disclosed by submitters. Analysis on data sufficiency and adequacy includes: a) the history and reputational credibility of the source; b) the integrity of the provided transaction; c) conflict of interest between transacting parties; d) price repeatability; e) type of transaction (spot, contractual or part of term agreement); f) special transactional discounts (transactions taking place as a result of a fire sale or special condition discount; g) consistency of reported details of the transaction by buying and selling parties; h) offsetting nature ( transaction potentially linked to an offsetting transaction); i) distressed factors (including credit issues, scheduling difficulties, or others).

All the submissions are obtained from the market and are recorded safely and in detail to ensure high quality and reliability.

Submissions received that do not fully adhere to HARBOR Aluminum's defined requirements may not be incorporated into the index calculation.

## Recordkeeping

In alignment with best business practices, HARBOR Aluminum is governed by a strict Record Keeping Policy aimed at establishing guidelines on retention of records related to the administration of Benchmarks. Robust record keeping arrangements, of which this Policy is a guiding document, are critical to ensure HARBOR maintains an accessible audit trail for its activities and operations, which is available to regulatory and supervisory agencies and other relevant stakeholders, as appropriate.

As a result, HARBOR Aluminum maintains records of at least five years of all communications with submitters, whichever collection channel is used: telephone, email or internet-based instant-communication tools, in order that all submissions used in the indices can be traced back to an original record of the received submission.

Record of submissions are retained by HARBOR Aluminum per Company's Record Keeping Policy, maintaining confidentiality of data, and to prevent the improper usage of the data by parties not involved in the index calculation process.

## 4. Normalization and calculation

All submissions collected on the calculation day through 3:00 PM US Central Time are included in the normalization and calculation process.

### Sample Screening

HARBOR's benchmarks aim to be a representative value range for transactions taking place in the market inside a defined period of time that is specific to each product price/premium. Each timeframe is designed considering: a) the number of transactions (liquidity) taking place in the market during the specific period, b) the periodicity in which market participants require updated data, and c) the number of reasonable data points expected to collect by HARBOR Aluminum's Pricing Unit over the set timeframe. Moreover, each benchmark specifics, as currency, volumes, locations, chemistry, credit terms, and others, are a result of market-wide agreed conventions.

To be considered and eligible as a representative data point by HARBOR, data gathered directly from market sources must be identified as transactional activity and concluded business, while also meeting the required specifications for each benchmark detailed on HARBOR Aluminum's Benchmark Specifications (i.e., volume, chemistry, delivery period, etc.). Confirmed physical transactions are used to ultimately set a benchmark reference.

The HARBOR Aluminum Pricing and Risk Management Unit undertakes a preliminary screening of all collected submissions. In addition to checking the basic information of each submission, such as volumes, delivery date, delivery point, price, credit terms, among others, HARBOR Aluminum also confirms details with at least one party to the reported transaction, to ensure the sample's authenticity.

Confirmed transactional activity and concluded business are the only inputs considered within HARBOR's hierarchy of data inputs, as quotations, forecasts, bids/offers, are not taken into consideration when arriving

at the final benchmark price given their lack of a consensual price agreement between both purchasing and selling parties. Moreover, verifiable transactions take preference, while unverified transactions are set aside (not discarded) and taken into consideration until more information is gathered, shared, or another transaction is reported within the same range, making the previously unverified transaction repeatable under present market conditions.

When the Pricing Committee determines that the authenticity of the data may be in doubt according to the verification process detailed above, players on either side of the market (buyers and sellers) are consulted in order to confirm the legitimacy of each reported transaction and the validity of the data provided.

### **Minimum Data Requirements**

HARBOR does not establish minimum data/transactions requirements, as market liquidity, along with other economic factors, could lead to a lack of reliable and representative values. To tackle data sufficiency requirements, and to align with industry standards, HARBOR instead uses minimum transactional volumes for each published benchmark (detailed on HARBOR's Benchmark Catalog), which results in a higher reliability and representativeness even in a context of low liquidity. The continuation or changes to the above data sufficiency statement are scheduled to be assessed periodically by HARBOR's Index Committee (at least once a year), to better serve markets under low liquidity conditions.

Each aluminum benchmark and their corresponding specifications are detailed in HARBOR's Benchmark Specifications. All referenced specifications aim to cover the most tradeable characteristics of each product and international industry conventions, such as delivery location, chemistry composition, volume size, credit terms, identity of parties, and Incoterm, among others.

### **Premium Assessment Range**

As a result of the heterogeneous nature of the aluminum market and its participants (varying in size, quality of products, financial capabilities, among other factors) US 6063 Billet Delivered Spot Transaction Upcharge is not considered to be a single data point at any given time, but rather a range in which any spot transaction within it is considered market representative and repeatable.

### **Equally Weighted Transactions.**

Transactions are equally weighted for assessment purposes without discriminating by volume variations. However, volume variations are fully captured within the assessed premium range.

### **Sample Normalization**

HARBOR Aluminum normalizes the collected spot trade data via an internal model, including:

**Credit Terms.** Credit terms considered as standard industry convention are equivalent to net 30 calendar days. Payment terms other than net-30-days are normalized by adding/deducting the financial cost of holding the metal during the differential term using current international interest rate benchmarks.

**Data Adequacy.** All data submitted to HARBOR is verified and carefully analyzed by the Price Assessment Committee. All transactional variables are expected to be fully disclosed by submitters. Analysis on data sufficiency and adequacy includes: a) the history and reputational credibility of the source; b) the integrity of the provided transaction; c) conflict of interest between transacting parties; d) prices not deviating from current market averages or not deemed repeatable at current market conditions; e) transactions not being part of a contractual or term agreement; f) transactions taking place as a result of a fire sale or special condition discount; g) transactions that are reported with different details by each counterparty; h) transaction potentially linked to an offsetting transaction; i) distress factors including credit issues, scheduling difficulties, or others. Data showing negative results to the previously mentioned analysis are expected to be put under further examination and potentially discarded or not taken into consideration. Data from excluded submitters (per HARBOR's Submitter Inclusion/Exclusion Policy) is expected to be excluded unless a verification is received from the transaction counterparty submitter.

**Exercise of Expert Judgement.** The calculation of a HARBOR Aluminum Benchmark includes a validation process whereby HARBOR Aluminum employees review data according to specific pre-determined data requirements (minimum data requirements). A HARBOR Aluminum employee will, when applying such checks, have discretion (subject to internal policies and procedures) to include or reject certain data from the calculation of the Benchmark. The use of expert judgment is always under the most rigorous scrutiny, and any modifications are always replicable, factual, and aligning with industry-wide accepted parameters. Expert judgement within the calculation and normalization processes is limited to the following methods and rules:

*a) Exclusion of inputs (repeatability).* In the event transactional activity results in prices not aligning to current prevailing market ranges heard by HARBOR's associates in daily conversations with market participants, transactional data could be set aside (determined by HARBOR Price Assessment Committee's expert judgement) and not considered for benchmark adjustments. However, transactions that have been set aside are not completely discarded, as new transactional data within the same level will indicate that the former values are indeed repeatable and therefore taken into consideration for benchmark purposes.

The Benchmark is then determined based on the normalized data. Once all the samples are confirmed valid, they are passed on for index calculation.

## 5. Calculation

HARBOR Aluminum aims at providing the market with a typical price which accurately tracks daily price changes. Therefore, where sufficient submissions are available and after the normalization process, all transactional prices are included to arrive into a prevailing range representative of the transactional spot activity of the prior two weeks. This implies that the new normalized transaction samples will be taken into consideration, along with transactions that took place within the past two weeks, to create a market-representative range. This range will prevail even in low liquidity conditions (null spot transactional activity) and premiums will remain unchanged until new verifiable transactional activity takes place.

Prior to publication, the Benchmark calculation must be reviewed and approved the Pricing Committee. In the review process, the Committee must ensure the price methodology and the internal calculation model are correctly applied in the full Benchmark calculation process to ensure the accuracy and integrity of each Benchmark determination.

### **Criteria to discard pricing data**

HARBOR reserves the right to exclude transactional data in the following cases: a) if pricing of transactional activity is not deemed repeatable by a majority of members in the Pricing Committee as a result of fire sales, urgent prompt purchases, or another specific transactional anomaly; b) if transactional activity does not comply with HARBOR's minimum volume requirements detailed in HARBOR's Benchmark Specifications; or c) if incomplete information is received during the pricing discovery process as defined in the following "*Minimum Data Quality Requirements*" section.

*Minimum Data Quality Requirements.* Transactional activity data can be expected to be discarded by HARBOR in cases where incomplete or insufficient pricing data is received in the pricing discovery process (i.e., absence of identity of parties, exact quote, delivery location, delivery timing, credit terms). Moreover, data derived from a market player whose quality of historical information is deemed insufficient and/or inconsistent by HARBOR's Assessment Committee is also expected to be discarded unless further confirmation and validation of data is obtained.

*Timing of Delivery.* Aluminum orders for delivery within one to seven days (prompt deals) are not considered spot given that the urgent nature of the purchase may imply non-standard upcharges on top of the underlying spot premium. Moreover, orders for delivery in more than 30 days are also not considered in HARBOR's spot premiums assessments as they do not correspond to the spot transactional period. Spot deals imply delivery within 7 to 30 days.

The filtered set of data will be used to determine the final Benchmark. HARBOR Aluminum will investigate abnormal data to check for price manipulation.

In the scenario where insufficient data is submitted for a significantly long period, for any reason, the benchmark will be maintained according to "Section 5. Calculation" in the present document, and the HARBOR Pricing Committee reserves the right to follow expert judgement guidelines detailed within the present methodology to maintain representativeness of the benchmark. However, this situation could be indicative of the benchmark no longer being representative of the interest the underlying market it intends to measure. In which case, HARBOR Aluminum's Pricing Unit will make public an external consultation to address the potential changes to the methodology or cessation of the benchmark with the general public, in accordance to HARBOR's Methodology Changes, Benchmark Transition, and Cessation Policies.

### **Calculation during times of market stress, disruption or low market liquidity**

HARBOR Aluminum retains the right to use Expert Judgement where insufficient submissions have been received, including referring to other market information such as supply and demand fundamentals, and other factors that affect the commodity price.

Per HARBOR's Management of Illiquid Benchmarks Policy, HARBOR's Index Committee will periodically and

as merited initiate reviews of market coverage based on a qualitative analysis that includes measurements of liquidity, visibility of market data, consistency of market data, quality of market data and industry usage of the assessments (Benchmark Review Policy). As a result of these reviews, the Index Committee will vote to consider a Benchmark as illiquid (majority vote needed).

Under extreme circumstances of illiquidity (after a Benchmark has been defined as illiquid per HARBOR Aluminum's Index Committee), the Index Committee will analyze and vote (majority vote required) to apply the following treatments:

- a) Implementing changes to the Benchmark Minimum Data Requirements. Example: lower the minimum volume requirement from a transaction.
- b) Creation of a new Benchmark (Transition). Example: transition to a new benchmark that considers transactions starting from 50 mtons.
- c) Cessation of the Benchmark.

Before applying any changes, the Index Committee will follow steps provided by HARBOR's Benchmark Transition or Cessation Policy.

## **Pricing Committee**

HARBOR's benchmark assessments are determined and reviewed through a committee process. Once the market data has been collected, and a member of the Pricing Committee has fulfilled the proper normalization and calculation processes in accordance to HARBOR's methodology, the Price Assessment Committee considers all the existing relevant quantitative and qualitative data, as defined in the present methodology, to conclude the analysis and obtain a final assessment reached by consensus. The minimum committee size for premium assessment decisions is one analyst and two Senior Consultants.

## **6. Index Publication**

### **Publication timetable**

HARBOR's official benchmark assessments are published daily through HARBOR's Daily Aluminum Commentary report, distributed before the end of the business day. Indications of apparent movements may be published by HARBOR through any of its publication outlets during the day; however, as additional information may be gathered before end-of-business, official daily data is specifically published in HARBOR's Daily Aluminum Commentary report and HARBOR's Mobile App (IOS and Android).

Please see HARBOR's Daily Aluminum Commentary report and our Mobile App to find daily official assessments.

The publication time may also be affected by various emergencies and by force majeure, such as blackouts, natural disasters and terrorist activities. If this happens, HARBOR Aluminum will make every effort to issue an announcement at the earliest opportunity.

## 7. Corrections

If an error is identified, whether caused by an incorrect submission or a calculation error, HARBOR Aluminum will promptly issue a public notice to modify the erroneous Benchmark value. Restatements and corrections due to errors related to the Benchmark Level Calculation, Errors with Respect to Data Adequacy, and Errors Related to a Misapplication of the Methodology, are generally only made if such errors have been discovered within two Benchmark Publication Days after occurrence of the event that caused the error, per HARBOR's Error Correction Policy. Corrections will be approved by the Index Committee (by nature of majority vote) if they are of a material nature and would not serve to disrupt the orderly function of the markets.

## 8. Requests for Data Clarifications

HARBOR Aluminum aims at all times to provide the highest quality service to its customers. Customers may ask questions about HARBOR Aluminum's sample collection methods, calculation methods and more.

If customers require additional information, such as a detailed description of certain data, of calculation methods, please contact us via email at [compliance@askharbor.com](mailto:compliance@askharbor.com).

## 9. Complaints

Customers or stakeholders wishing to complain about aspects of HARBOR Aluminum's provision of any of the HARBOR Aluminum Indices may do so. Full details of how HARBOR Aluminum handles complaints can be found in HARBOR Aluminum's Complaints Policy. Both this and a Disclosure to Complainants are available by emailing [complaints@askharbor.com](mailto:complaints@askharbor.com).

## 10. Review of the methodology

HARBOR Aluminum will carry out a review of the Methodology on an annual basis at a minimum. Additional reviews may be conducted at HARBOR Aluminum's discretion. Reviews will include an analysis of the underlying market that the Benchmark seeks to represent, the performance and appropriateness of the current Contributors, and analysis of other potential Contributors as applicable. The aim of the review will be to ensure that the Benchmark is still representative of the underlying market, that the input data sufficiently represent the underlying market, that the Contributors are the optimum grouping to provide Contributions to represent the underlying interest, and that the current Contributors have been contributing in an accurate and timely manner. The Index Committee will provide input into the review.

## 11. Changes to the methodology

Changes to the Methodology shall be made in accordance with the HARBOR Aluminum's Methodology

changes policy and procedures. The combined HARBOR Aluminum Methodology changes policy and procedures is available via email at [compliance@askharbor.com](mailto:compliance@askharbor.com).

## 12. Appendix A: Key Terms

**Billet:** A solid bar of metal in varying sizes, created directly through continuous casting or extrusion or indirectly through hot rolling an ingot or bloom.

**Brokers/Traders:** an individual or firm that earns a fee for executing buy and sell operations.

**c/lb:** cents per pound

**End-user:** A company typically located downstream in the metals value chain that manufactures goods. Typically purchases its raw materials from a producer, trader, service center or stockholder.

**Expert Judgement:** In the context of price assessment, expert judgement refers to the choices made, and the thoughts, rationale and assumptions behind those in the process of a price assessor determining a price.

**Exporters:** a person, or company that sends raw material or finished goods to another country for sale.

**Final benchmark/Final Assessment:** The price HARBOR Aluminum publishes as a benchmark and makes it available to the market.

**Forging:** A manufacturing process involving the shaping of a metal through hammering, pressing, or rolling. These compressive forces are delivered with a hammer or die.

**Industry participant:** A buyer or seller of a commodity in the market.

**IOSCO:** The International Organization of Securities Commissions is an association of organizations that regulate the world's securities and futures markets.

**Mton:** Metric tonnes

**Physical market:** Market for tangible, physical goods to be sold and bought.

**Producers:** Manufacturer of a product.

**Extruders:** Companies that produce extrusions.

**Extrusions:** Shaped object made from the process of forcing a material into a mold.

**Spot price:** The current price of a physical commodity bought or sold in a spot transaction.

**Spot transaction:** A non-recurring agreement between a buyer and a seller for the purchase of a commodity for delivery within 7 to 30 days.

**Submissions:** Price information that can be sent to HARBOR Aluminum for the purposes of price assessment.

**6063 Aluminum alloy:** Aluminium alloy 6063 is a medium strength alloy commonly referred to as an architectural alloy. It is normally used in intricate extrusions. Chemical composition (%): Manganese (Mn) 0.0 - 0.10, Iron (Fe) 0.0 - 0.35; Magnesium (Mg) 0.45 - 0.90, Silicon (Si) 0.20 - 0.60; Zinc (Zn) 0.0 - 0.10; Titanium (Ti) 0.0 - 0.10; Chromium (Cr) 0.0 - 0.10; Copper (Cu) 0.0 - 0.10; Other (Each) 0.0 - 0.05; Others (Total) 0.0 - 0.15; Balance Aluminium (Al).