

## **CRU Prices**

**Bulk Ferroalloys**

**Chrome**

**Molybdenum**

**Noble Alloys and**

**Minor Metals**

**Methodology and**

**Definitions Guide**

December 2024



THE INDEPENDENT AUTHORITY  
MINING | METALS | FERTILIZERS

# Methodology and Definitions Guide

## Scope

This guide covers prices in all geographical markets for CRU's bulk ferroalloys, chrome, molybdenum, nickel and noble alloys & minor metals assessments. It should be read in conjunction with the CRU Group Compliance Framework and Methodology Guide. It details a commodity-specific methodology which has precedence, with all other aspects covered by the Group methodology guide.

## Methodology

CRU's price assessments for bulk ferroalloys, chrome, molybdenum and noble alloys & minor metals are based only on transactions. Use of transaction data alone as data inputs ensures that our assessments accurately reflect the spot market with no risk of information from sentiment, errant opinion, speculative or even confirmed, but ultimately unexecuted bids and offers entering the final published price. This approach is appropriate for prices used extensively in physical contracts.

Our methodology blends strict adherence to transaction data and other methodological rules with limited but necessary application of expert judgement, detailed below, in order to produce a price that benefits from rigour, and analyst expertise and discretion in equal measure.

### Data providers

Assessments are based on regular contact with a wide network of market participants including producers, buyers, and traders at critical nodes in the supply chain. This network is constantly reviewed and maintained to seek a balance of buyers and sellers.

### Data submitted and submission processes

All prices are based exclusively on transaction data (actual deals concluded) and to that extent there is no hierarchy of acceptable price types. CRU seeks to verify each deal with both parties but where this is not possible, deals will be accepted by one party of a transaction. Information relating to bids/offers or an opinion of the prevailing market price will strictly not be used in the final price assessment calculation.

Admissible price data is limited to transactions concluded at arms-length. This means a trade must be between companies who are unrelated in ownership and/or where the transaction is not part of any other arrangement. This therefore necessarily excludes intra-company transfers.

Data providers provide CRU with one or more single price figures, each relating to an individual spot deal (a sale or a purchase) concluded within a defined trading period (the period since the last assessment). Data Providers also include information such as the chemical composition, delivery date, volume and payment terms.

Producer-to-trader, producer-to-consumer, and trader-to-consumer transactions may all be included in CRU's price assessments, but no trader-to-trader (inter-trade) transactions are used in a final assessment. Market participants can submit prices to CRU by telephone, email, private one-to-one instant messenger services or other private means of communication. All price data is confidential and stored securely.

CRU seeks to ensure that its assessed prices reflect repeatable business that originates from an open inquiry to the market at large. We will scrutinise information given to us, or seek further information, in order to establish if this condition is met. If not, such data may be completely excluded from the final price assessment.

### Final assessment calculation

#### Process

The high and low values of the published price range are established as follows:

1. All data points submitted are assessed against admissibility criteria in the relevant product specification and the criteria stated in this methodology.
  - a. Data points which meet the criteria without normalisation are determined as admissible.

- b. Data points that require normalisation and can be normalised are normalised, and the resulting data determined as admissible.
  - c. All other data points are rejected as inadmissible and will not be used in subsequent price evaluation.
  - d. Of the data points that remain, outliers (defined below) may also be rejected as inadmissible if they otherwise do not meet acceptability criteria, for example are not established as repeatable business.
2. The mid-point of remaining admissible data points is typically calculated as the volume-weighted average. In the unlikely event that a price is provided without associated volume, the average volume associated with all other trades with volumes will be used as the weighting for that price. If no prices have associated volumes, a straight average calculation will be used.
3. Expert judgement is used to establish the high and low values of the published price range by reference to the distribution of admissible data points around the mid-point and values of the lowest and highest data admissible points, in the current and prior assessment periods. Metrics such as the standard deviation may be used as a guide to this process, but not as a sole determinant of the range. This means the high and low of the published range are not necessarily set equal to the highest and lowest admissible data points because to do so would:
  - a. Introduce excessive volatility in the high and low of the published range over time.
  - b. Define the range by individual deals which may carry little volume weight and ignore other admissible data points.

#### Normalisation

Data which meets the precise methodology specification is eligible for admission to the price without any adjustments. Data which does not fit the specification may still be eligible as an input to the price, but would be subject to a normalisation process in order to adjust its - primary chemical content; incoterms; loading location; vessel size; grade; duties or tariffs by the application of a premium or discount to an initial given price.

The value of this premium or discount is determined by applying one or more estimates of value-in-use or grade; freight; tariff or trade costs adjustments. Parameters used to make these adjustments are updated upon consultation with data providers. Where seen, normalisation is usually limited to adjustment for primary chemical content, deriving netbacks on incoterms and estimated or actual freight rates.

Normalisation is an essential price adjustment process used to align reported market information with a pricing methodology. Decisions to normalise a price and/or choice of values used in the normalisation process are forms of expert judgement.

#### Exclusion of outliers

A pricing analyst may use expert judgement in the exclusion of a data point as an input to the calculation of the final price. In doing so they would consider the range and distribution of data collected in the same timeframe from other data providers; previous data received from the same data provider; non-price information received from the data provider and the current market state from any other source. Inclusion or exclusion of input data in the final price is recorded.

Any transaction that deviates from the previous assessed price range or the collected price data for the trading period will receive extra scrutiny from a pricing analyst. For example, if a transaction is considered to be a potential outlier, supporting documentation as a means of further authentication may be asked for. Transactions may also be excluded until a transaction is established to be repeatable business. Supporting documentation is typically a contract or purchase/sales order, but other documentation may be accepted. Supporting documentation may not be asked for when, in CRU's judgement, the data is otherwise corroborated or deemed valid.

Transactions verified by both buyer and seller or authenticated with supporting documentation will normally carry more weight in a final assessment than transactions reported without any supporting documentation.

#### Price determination in an illiquid market

In the case that there are no submissions that meet, or after normalisation can meet, the methodology pricing definition in any price assessment time period, the previous published price will be rolled over and used as the final assessment value for the published price.

#### **Silicon metal**

For silicon metal only, the following mechanism is employed to ensure the correct relationship between grades applies at times of low market liquidity:

1. EU 98.5% Si 5-5-3 DDP

By definition of end use and purity, prices for 5-5-3 silicon metal (5-5-3) should almost always be lower than those for 4-4-1 silicon metal (4-4-1). To avoid situations where prices for 5-5-3 and 4-4-1 may become misaligned due to a lack of liquidity in the spot market, CRU uses the following mechanism to align its European silicon metal price assessments.

- If the price of 4-4-1 drops below that of 5-5-3 and there are then no new admissible transaction data for either product recorded in the following 14 days, CRU will lower the price of 5-5-3 to reflect its historical discount to 4-4-1
- The price of 5-5-3 will remain at this discount until further admissible transaction data is collected for it

The historical discount/premium between the products will be established by inspection of transaction prices over a relevant historical period determined by expert judgement. In the unlikely event that CRU receives transaction data that supports 4-4-1 being assessed below 5-5-3 at the same point in time, these levels will be maintained until there is another transaction recorded for either product. The above mechanism will then be deployed again if required.

## 2. EU 99% Si 4-4-1 DDP

By definition of end use and purity, prices for 5-5-3 silicon metal (5-5-3) should almost always be lower than those for 4-4-1 silicon metal (4-4-1). To avoid situations where prices for 5-5-3 and 4-4-1 may become misaligned due to a lack of liquidity in the spot market, CRU uses the following mechanism to align its European silicon metal price assessments.

- If the price of 5-5-3 rises above that of 4-4-1 and there are then no new admissible transaction data for either product recorded in the following 14 days, CRU will increase the price of 4-4-1 to reflect its historical premium to 5-5-3
- The price of 4-4-1 will remain at this premium until further admissible transaction data is collected for it

The historical discount/premium between the products will be established by inspection of transaction prices over a relevant historical period determined by expert judgement. In the unlikely event that CRU receives transaction data that supports 5-5-3 being assessed above 4-4-1 at the same point in time, these levels will be maintained until there is another transaction recorded for either product. The above mechanism will then be deployed again if required.

## **CRU EU Chrome Reference Value**

CRU's EU Chrome Reference Value is a monthly calculation that represents an average value of alternatives to charge chrome in the European market. The final value is derived from the average between the EU HC FeCr 54-60% Cr DDP and EU HC 60-64.9% Cr DDP midpoints from the same month, adding the variations between the two indexes in the two months preceding the Reference announcement. Once the value has been calculated, an additional factor (+/- \$1 c/lb) is added or subtracted by an analyst to signal price direction for the following month. CRU's EU Chrome Reference Value does not indicate a gross or net price for charge chrome in Europe. Rather it is meant to provide a realistic average price for alternatives to the European benchmark price. No approximations will be made in the calculations until the finalised number. The resulting reference is approximated to the closest integer.

### Expert judgement

Expert judgement may apply to decisions on whether price data submitted relates to actual deals concluded; if the deal is executed at arms-length; if normalisation of price data submitted is required; the means of any normalisation, and; the inclusion of a data point in the calculation of the final price (exclusion of outliers).

Expert judgement is usually limited to gauging premiums or discounts associated with trades reported on a different incoterm or where the primary chemical composition differs to the specification. A pricing analyst will consult with one or more colleagues before any application of expert judgement if in any doubt or where collective input would improve the quality of a judgement.

Consistency in the application of expert judgement is achieved through a combination of selection, formal and informal training and review, supervisions and control processes as detailed in section 2.5 of the Group Compliance Framework and Methodology Guide.

### Verification

Input data points, calculations and the final price for publication are checked and verified by a second pricing analyst at each critical stage (i.e. where there is scope for error or when any application of expert judgment is required to be verified) in the process from data collection to final publication, and this verification is documented including the identity of the verifier.

#### Final publication

Final publication of CRU's bulk ferroalloys, chrome, molybdenum, nickel, noble alloys & minor metals prices are published in the CRU Bulk Ferroalloys Monitor, Chrome Monitor, Molybdenum Monitor, Nickel Monitor and Noble Alloys & Minor Metals Prices Service respectively, as well as associated price baskets, via FTP data feeds and are available in DataLab.

CRU Prices.....	1
<b>Methodology and Definitions Guide .....</b>	<b>2</b>
Scope.....	2
Methodology .....	2
Silicon metal .....	3
CRU EU Chrome Reference Value.....	4
<b>Bulk Ferroalloys .....</b>	<b>9</b>
<b>Ferromanganese.....</b>	<b>9</b>
US HC 76% Mn EXW .....	9
EU HC 76% Mn DDP.....	9
China HC 75% Mn DAP .....	9
India HC 76% Mn FOB .....	9
India HC 70% Mn EXW .....	10
China HC 75% Mn FOB Theoretical .....	10
Japan HC 75% CIF (CN orig.) Theoretical <i>[Discontinued]</i> .....	10
Japan HC 76% CIF.....	10
China HC 65% Mn DAP .....	11
US MC 80% Mn EXW.....	11
EU MC 81% Mn DDP .....	11
China MC 75% Mn DAP .....	11
China MC 75% Mn FOB Theoretical .....	12
US LC 80-85% Mn EXW .....	12
<b>Ferrosilicon .....</b>	<b>12</b>
US 50% Si EXW <i>[Discontinued]</i> .....	12
US 75% Si EXW .....	13
EU 75% Si DDP.....	13
US SiC 87-90% Si EXW <i>[Discontinued]</i> .....	13
China 75% Si FOB .....	13
China 75% Si DAP .....	14
China 72% Si FOB .....	14
China 72% Si DAP .....	14
Japan 75% Si CIF (CN orig.) Theoretical <i>[Discontinued]</i> .....	14
Japan 75% Si CIF.....	15
<b>Silicomanganese .....</b>	<b>15</b>
US 65% Mn EXW .....	15
EU 65%Mn DDP .....	15
China 65% Mn DAP .....	15
India 65%Mn FOB .....	16
India 60%Mn FOB .....	16
India 60% Mn EXW .....	16
China 65% Mn FOB Theoretical .....	16
Japan 65% Mn CIF (CN orig.) Theoretical <i>[Discontinued]</i> .....	17
Japan 65% Mn CIF.....	17
Japan 65% Mn CIF (IN orig.).....	17
China 60% Mn FOB Theoretical <i>[Discontinued]</i> .....	17
China 60% Mn DAP <i>[Discontinued]</i> .....	18
<b>Silicon Metal.....</b>	<b>18</b>
US 98.5% Si 5-5-3 EXW .....	18
EU 98.5% Si 5-5-3 DDP .....	18
China 98.5% Si 5-5-3 FOB.....	19
China 98.5% Si 5-5-3 DAP .....	19
Japan 98.5% Si 5-5-3 CIF .....	19
EU 99% Si 4-4-1 DDP .....	19
China 99% Si 4-4-1 FOB .....	20
China 99% Si 4-4-1 DAP .....	20
US poly-Si 9-11N EXW <i>[Discontinued]</i> .....	20
<b>Manganese Ore.....</b>	<b>20</b>
China Lump 36-38% Mn CIF .....	20
China Lump 44% Mn CIF .....	21
China Lump 36-38% Mn FOT Tianjin.....	21
China Lump 44% Mn FOT Tianjin.....	21
India Lump 36-38% Mn CIF <i>[Discontinued]</i> .....	21
India Lump 44% Mn CIF <i>[Discontinued]</i> .....	22
<b>Manganese Metal.....</b>	<b>22</b>
China EMM Flake 99.7% Mn FOB .....	22
China EMM Flake 99.7% Mn EXW (dom.).....	23
US EMM 99.7% Mn EXW.....	23
EU EMM 99.7% Mn DDP .....	23
<b>Manganese Sulfate .....</b>	<b>23</b>
China Manganese sulfate 32% Mn min, EXW .....	23
<b>Chrome .....</b>	<b>25</b>
<b>Ferrochrome.....</b>	<b>25</b>

US HC 47-55% Cr EXW [Discontinued]	25
EU HC 47-55% Cr DDP Benchmark [Discontinued]	25
EU HC 47-55% Cr DDP Free Market [Discontinued]	25
EU Chrome Reference Value	25
China HC 49-70% Cr DAP (dom.) [Discontinued]	25
China HC 49-70% Cr CIF (impt.) [Discontinued]	26
China HC 48-63% Cr CIF (impt.)	26
China HC 49-53% Cr EXW	26
EU HC 54-60% Cr DDP	27
US HC 62-70% Cr EXW	27
EU HC 62-70% Cr DDP [Discontinued]	27
EU HC 65-70% Cr DDP	27
EU HC 60-64.9% Cr DDP	28
US LC 0.05% C EXW	28
EU LC 0.05% C DDP	28
US LC 0.10% C EXW	28
EU LC 0.10% C DDP	29
US LC 0.15% C EXW	29
US FeCr/Sr EXW	29
Japan HC 60-70% CIF	29
Japan LC 0.1% CIF	30
<b>Chrome Ore</b>	<b>30</b>
China Lump 42% Cr CIF (TR orig.)	30
China Conc. 48% Cr CIF (TR orig.)	30
China Ore 38-40% Cr CIF (ZA orig.)	30
China Conc. 44% Cr CIF (ZA orig.)	31
China UG2 42% Cr CIF (ZA orig.)	31
China UG2 42% Cr (ZA orig.) FOT Tianjin	31
<b>Chrome Metal</b>	<b>32</b>
US Aluminothermic 99% Cr EXW	32
EU Aluminothermic 99% Cr DDP	32
<b>Molybdenum</b>	<b>33</b>
<b>Ferromolybdenum</b>	<b>33</b>
US FeMo 65% Mo EXW	33
EU FeMo 65% Mo DDP	33
China FeMo 60% Mo DAP	33
<b>Molybdenum Oxide</b>	<b>33</b>
US Oxide 57% Mo EXW	33
EU Oxide 57% Mo EXW	34
Main Asia Ports Oxide CIF	34
EU Moly Metal DDP	34
<b>Noble Alloys &amp; Minor Metals</b>	<b>35</b>
<b>Ferrotitanium</b>	<b>35</b>
US FeTi 68-72% Ti EXW	35
EU FeTi 68-72% Ti DDP	35
<b>Ferrotungsten</b>	<b>35</b>
US FeW 72-75% W EXW	35
EU FeW 72-75% W DDP	35
<b>Ferrovandium</b>	<b>36</b>
US FeV 80% V EXW	36
EU FeV 80% V DDP	36
<b>Tantalum</b>	<b>36</b>
US Ta Ore 30% Ta EXW [Discontinued]	36
<b>Tungsten</b>	<b>37</b>
US W Ore 65% WO3 EXW [Discontinued]	37
US W APT 88.5% WO3 EXW [Discontinued]	37
China FeW 72-75% W FOB	37
China tungsten concentrate 65% WO3 – domestic DAP	37
China APT 88.5% DAP	38
China APT 88.5% WO3 FOB	38
<b>Vanadium</b>	<b>38</b>
China V2O5 98% V FOB [Discontinued]	38
China V2O5 98% V DAP (dom.)	38
<b>Minor Metals</b>	<b>39</b>
US Antimony 99.65% Sb EXW	39
EU Antimony 99.65% Sb EXW	39
US Bismuth 99.99% Bi EXW	39
EU Bismuth 99.99% Bi EXW	39
US Cadmium 99.95% Cd EXW [Discontinued]	40
EU Cadmium 99.95% Cd EXW [Discontinued]	40
US Indium 99.99% In EXW	40
EU Indium 99.99% In EXW	40
US Selenium 99.5% Se EXW	41

EU Selenium 99.5% Se EXW.....	41
<b>Cobalt.....</b>	<b>41</b>
EU 99.8% Co DDP .....	41
US 99.8% Co EXW.....	41
China 99.8% Co DAP.....	42



## Bulk Ferroalloys

### Ferromanganese

#### US HC 76% Mn EXW

<b>DataLab Name:</b>	Ferromanganese, High Carbon, 76% Mn, Spot price; USA, ex-warehouse
<b>Grade:</b>	76% Mn, 7% C, 1.5% Si, Max 0.25% P, 0.3% S
<b>Price basis:</b>	US ex-warehouse, per long ton of material
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	US warehouse, typically Pittsburgh or Chicago, producer plant
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Long ton
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 16 weeks forward
<b>Main Consumer Markets:</b>	US inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

#### EU HC 76% Mn DDP

<b>DataLab Name:</b>	Ferromanganese, High Carbon, 76% Mn, Spot price; Europe, DDP
<b>Grade:</b>	76% Mn, 7% C, 1.5% Si, Max 0.25% P, 0.3% S
<b>Price basis:</b>	Delivered, duty paid, per Tonne of material
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Rotterdam warehouse or producing plant, additional locations
<b>Type:</b>	Spot
<b>Currency:</b>	Euro
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	European inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

#### China HC 75% Mn DAP

<b>DataLab Name:</b>	Ferromanganese, High Carbon, 75% Mn, Spot price; China, DAP
<b>Grade:</b>	75% Mn
<b>Price basis:</b>	Per mt, delivered steel mill, mainly Hebei
<b>Credit/Payment terms:</b>	n/a
<b>Loading Location:</b>	Producing plant
<b>Type:</b>	Spot
<b>Currency:</b>	RMB
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	100 t +
<b>Timing:</b>	n/a
<b>Main Consumer Markets:</b>	Northern China
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	VAT included, any other duties excluded
<b>Frequency:</b>	Bi-weekly, every Tuesday and Thursday

#### India HC 76% Mn FOB

<b>DataLab Name:</b>	Ferromanganese, High Carbon, 76% Mn, Spot price; India, FOB
<b>Grade:</b>	76% Mn, 7% C, 1.5% Si, Max 0.25% P, 0.3% S
<b>Price basis:</b>	FOB India, per Tonne of material
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Producing plant, additional locations
<b>Type:</b>	Spot

Currency:	Dollar
Weight Unit:	Tonne
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	Europe, Middle East, South East Asia
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### India HC 70% Mn EXW

<b>DataLab Name:</b>	<a href="#">Ferromanganese, High carbon, 70% Mn, Spot price; India, ex-warehouse</a>
Grade:	70% Mn, 6% C, 1.2% Si, Max 0.3% P, 0.03% S
Price basis:	Ex-warehouse/Ex-plant, per Tonne of material
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk Loading
Location:	Producing plant or warehouse
Type:	Spot
Currency:	Indian Rupees (INR)
Weight Unit:	Tonne
Size:	Multiple truckloads
Timing:	No more than 4 weeks forward
Main Consumer Markets:	Indian inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### China HC 75% Mn FOB Theoretical

<b>DataLab Name:</b>	<a href="#">Ferromanganese, High Carbon, 75% Mn, Spot price; China, FOB</a>
Grade:	Mn 75%; C 8% max
Price basis:	Per mt, FOB port, mainly Tianjin and Fangcheng
Credit/Payment terms:	Letter of credit or Wire Transfer
Loading Location:	Chinese ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	4-8 weeks
Main Consumer Markets:	No markets currently exist
Pricing:	Calculated
Duties/Tariffs:	Export duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### Japan HC 75% CIF (CN orig.) Theoretical *[Discontinued]*

<b>DataLab name:</b>	<a href="#">Ferromanganese, High Carbon, 75% Mn, Spot price; Japan, China Origin, CIF</a>
Grade:	75% Mn
Price basis:	CIF Japan
Credit/Payment terms:	n/a
Loading Location:	Chinese port
Type:	Spot
Currency:	USD
Weight Unit:	Tonne
Size:	100+ t
Timing:	n/a
Main Consumer Markets:	Japan
Pricing:	Calculated
Duties/Tariffs:	Export duty paid

### Japan HC 76% CIF

<b>DataLab Name:</b>	<a href="#">Ferromanganese, High Carbon, 76% Mn, Spot price; Japan, CIF</a>
Grade:	76% Mn
Price basis:	CIF Japan
Credit/Payment terms:	Line of credit/Wire transfer
Loading Location:	Producer main port
Type:	Spot

Currency: USD  
 Weight Unit: Tonne  
 Size: Bulk, typically 25 mt container  
 Timing: No more than 12 weeks forward  
 Main Consumer Markets: Japan  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Export duty paid

### China HC 65% Mn DAP

**DataLab Name:** Ferromanganese, High Carbon, 65% Mn, Spot price; China, DAP  
**Grade:** 65% Mn  
**Price basis:** Per mt, delivered steel mill, mainly Hebei  
**Credit/Payment terms:** n/a  
**Loading Location:** Producing plant  
**Type:** Spot  
**Currency:** RMB  
**Weight Unit:** Tonne  
**Size:** 100+ t  
**Timing:** n/a  
**Main Consumer Markets:** Northern China  
**Pricing:** Business reported by sellers to buyers – no inter-trade activity  
**Duties/Tariffs:** VAT included, any other duties excluded  
**Frequency:** Bi-weekly, every Tuesday and Thursday

### US MC 80% Mn EXW

**DataLab Name:** Ferromanganese, Medium Carbon, 80% Mn, Spot price; USA, ex-warehouse  
**Grade:** 80% Mn, 1.5% C, Max 0.3% P, 0.2% S, 1% Si  
**Price basis:** US ex-warehouse, per pound Mn  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** US warehouse, typically Pittsburgh or Chicago, producer plant  
**Type:** Spot  
**Currency:** US dollar in cents  
**Weight Unit:** Pounds  
**Size:** Multiple truckloads  
**Timing:** No more than 16 weeks forward  
**Main Consumer Markets:** US inland terminals/locations  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** Duty paid

### EU MC 81% Mn DDP

**DataLab Name:** Ferromanganese, Medium Carbon, 81% Mn, Spot price; Europe, DDP  
**Grade:** 81% Mn, 1.5% C, Max 0.3% P, 0.2% S, 1% Si  
**Price basis:** Delivered, duty paid, per pound of material  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** Rotterdam warehouse or producing plant, additional locations  
**Type:** Spot  
**Currency:** Euros  
**Weight Unit:** Tonne  
**Size:** Multiple truckloads  
**Timing:** No more than 12 weeks forward  
**Main Consumer Markets:** European inland terminals/locations  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** Duty paid

### China MC 75% Mn DAP

**DataLab Name:** Ferromanganese, Medium Carbon, 75% Mn, Spot price; China, DAP  
**Grade:** 75% Mn, 2% max C  
**Price basis:** Per mt, delivered steel mill, mainly Hebei  
**Credit/Payment terms:** n/a  
**Loading Location:** Producer plant

Type:	Spot
Currency:	RMB
Weight Unit:	Tonne
Size:	100t +
Timing:	n/a
Main Consumer Markets:	Northern China
Pricing:	Business reported by sellers to buyers – no inter-trade
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Bi-weekly, every Tuesday and Thursday

### China MC 75% Mn FOB Theoretical

DataLab Name:	Ferromanganese, Medium Carbon, 75% Mn, Spot price; China, FOB
Grade:	Mn 75%, 2% max C
Price basis:	FOB China ports
Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Foreign destination ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	4-8 weeks
Main Consumer Markets:	No markets currently exist
Pricing:	Calculated
Duties/Tariffs:	Export duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### US LC 80-85% Mn EXW

DataLab Name:	Ferromanganese, Low Carbon, 80-85% Mn, Spot price; USA, ex-warehouse
Grade:	80-85% Mn, Max 0.5% C, 2% Si, 0.3% P, 0.3% S
Price basis:	US ex-warehouse, per pound Mn
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	US warehouse, typically Pittsburgh or Chicago, producer plant
Type:	Spot
Currency:	US dollar in cents
Weight Unit:	Pounds
Size:	Multiple truckloads
Timing:	No more than 16 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

## Ferrosilicon

### US 50% Si EXW [Discontinued]

DataLab Name:	Ferrosilicon, 50% Si, Spot price; USA, ex-warehouse
Grade:	50% Si
Price basis:	US ex-warehouse or producing plant, per pound Si
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	US warehouse, typically Pittsburgh or Chicago, producer plant
Type:	Spot
Currency:	US dollar in cents
Weight Unit:	Pounds
Size:	Truckload or larger
Timing:	No more than 12 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### US 75% Si EXW

<b>DataLab Name:</b>	Ferrosilicon, 75% Si, Spot price; USA, ex-warehouse
<b>Grade:</b>	75% Si, Max 0.1% V, Max 1.5% Al (Standard 2" X 1/2")
<b>Price basis:</b>	US ex-warehouse or producing plant, per pound Si
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	US warehouse, typically Pittsburgh or Chicago, producer plant
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Pounds
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 16 weeks forward
<b>Main Consumer Markets:</b>	US inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### EU 75% Si DDP

<b>DataLab Name:</b>	Ferrosilicon, 75% Si, Spot price; Europe, DDP
<b>Grade:</b>	75% Si, Max 1.5% Al, 0.10% C, 0.04% P, 0.01% S (Standard 10-50mm)
<b>Price basis:</b>	DDP, per mt of material (not Si)
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Rotterdam warehouse or producing plant, additional locations
<b>Type:</b>	Spot
<b>Currency:</b>	Euro
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	European inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### US SiC 87-90% Si EXW *[Discontinued]*

<b>DataLab Name:</b>	Ferrosilicon, Silicon carbide, 87-90% Si, Spot price; USA, ex-warehouse
<b>Grade:</b>	87-90% Si, 2-5% C
<b>Price basis:</b>	US ex-warehouse, per pound gross material
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	50 lbs bags
<b>Loading Location:</b>	US warehouse, typically Pittsburgh or Chicago, plant
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar
<b>Weight Unit:</b>	Short tons
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	US inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### China 75% Si FOB

<b>DataLab Name:</b>	Ferrosilicon, 75% Si, Spot price; China, FOB
<b>Grade:</b>	74-80% Si
<b>Price basis:</b>	FOB Tianjin port, China
<b>Credit/Payment terms:</b>	Line of credit/Wire Transfer
<b>Loading Location:</b>	Chinese ports - foreign destination ports
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Typically 25 mt container
<b>Timing:</b>	Typically 4-8 weeks
<b>Main Consumer Markets:</b>	Japan, South Korea, the US, India and Southeast Asia
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders

Duties/Tariffs: Export duty paid  
 Frequency: Bi-weekly, every Tuesday and Thursday

### China 75% Si DAP

**DataLab Name:** Ferrosilicon, 75% Si, Spot price; China, DAP  
**Grade:** 75% Si  
**Price basis:** Per mt, delivered steel mill, mainly Hebei  
**Credit/Payment terms:** n/a  
**Loading Location:** Producing plant  
**Type:** Spot  
**Currency:** RMB  
**Weight Unit:** Tonne  
**Size:** 100t +  
**Timing:** n/a  
**Main Consumer Markets:** Northern China  
**Pricing:** Business reported by sellers to buyers – no inter-trade  
**Duties/Tariffs:** VAT included, any other duties excluded  
**Frequency:** Bi-weekly, every Tuesday and Thursday

### China 72% Si FOB

**DataLab Name:** Ferrosilicon, 72% Si, Spot price; China, FOB  
**Grade:** 72-74% Si  
**Price basis:** FOB major ports, China  
**Credit/Payment terms:** Line of credit/Wire Transfer  
**Loading Location:** Chinese ports - foreign destination ports  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Tonne  
**Size:** 100t +  
**Timing:** 4-8 weeks  
**Main Consumer Markets:** Japan, South Korea, the US, India and Southeast Asia  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** Export duty paid  
**Frequency:** Bi-weekly, every Tuesday and Thursday

### China 72% Si DAP

**DataLab Name:** Ferrosilicon, 72% Si, Spot price; China, DAP  
**Grade:** 72-74% Si  
**Price basis:** Per mt, delivered steel mill, mainly Hebei  
**Credit/Payment terms:** n/a  
**Loading Location:** Producing plant  
**Type:** Spot  
**Currency:** RMB  
**Weight Unit:** Tonne  
**Size:** 100t +  
**Timing:** n/a  
**Main Consumer Markets:** Northern China  
**Pricing:** Business reported by sellers to buyers – no inter-trade  
**Duties/Tariffs:** VAT included, any other duties excluded  
**Frequency:** Bi-weekly, every Tuesday and Thursday

### Japan 75% Si CIF (CN orig.) Theoretical [Discontinued]

**DataLab Name:** Ferrosilicon, 75% Si, Spot price; Japan, China origin. CIF  
**Grade:** Si 75%  
**Price basis:** CIF Japan  
**Credit/Payment terms:** Line of credit/Wire Transfer  
**Loading Location:** Chinese port  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Tonne  
**Size:** Bulk, typically 25 mt container  
**Timing:** Typically 4-8 weeks

Main Consumer Markets: Japan  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Export duty paid

### Japan 75% Si CIF

**DataLab Name:** Ferrosilicon, 75% Si, Spot price; Japan, CIF  
**Grade:** Si 75%  
**Price basis:** CIF Japan  
**Credit/Payment terms:** Line of credit/Wire transfer  
**Loading Location:** Producer main port  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Tonne  
**Size:** Typically 25 mt container  
**Timing:** No more than 12 weeks forward  
 Main Consumer Markets: Japan  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Export duty paid

## Silicomanganese

### US 65% Mn EXW

**DataLab Name:** Silicomanganese, 65% Mn, Spot price; USA, ex-warehouse  
**Grade:** 65-68% Mn, 16-18.5% Si  
**Price basis:** US ex-warehouse or producing plant, per pound  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** US warehouse, typically Pittsburgh or Chicago  
**Type:** Spot  
**Currency:** US dollar in cents  
**Weight Unit:** Pounds  
**Size:** Multiple truckloads  
**Timing:** No more than 16 weeks forward  
 Main Consumer Markets: US inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid

### EU 65%Mn DDP

**DataLab Name:** Silicomanganese, 65% Mn, Spot price; Europe, DDP  
**Grade:** 65-68% Mn, 16% Si, 2% C, 0.3% P, 0.03% S  
**Price basis:** Delivered, duty paid, per Tonne  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** Rotterdam or producing plant  
**Type:** Spot  
**Currency:** Euro  
**Weight Unit:** Tonne  
**Size:** Multiple truckloads  
**Timing:** No more than 12 weeks forward  
 Main Consumer Markets: European inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid

### China 65% Mn DAP

**DataLab Name:** Silicomanganese, 65% Mn, Spot price; China, DAP  
**Grade:** 65% Mn, 16% Si  
**Price basis:** Per mt, delivered steel mill, mainly Hebei  
**Credit/Payment terms:** n/a  
**Loading Location:** Producing plant  
**Type:** Spot

Currency:	RMB
Weight Unit:	Tonne
Size:	100t +
Timing:	n/a
Main Consumer Markets:	Northern China
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Bi-weekly, every Tuesday and Thursday

### India 65%Mn FOB

<b>DataLab Name:</b>	<b>Silicomanganese, 65% Mn, Spot price; India, FOB</b>
Grade:	65% Mn, 16% Si
Price basis:	FOB India, per Tonne of material
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	Producing plant
Type:	Spot
Currency:	Dollar
Weight Unit:	Tonne
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	Europe, Middle East, South East Asia
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### India 60%Mn FOB

<b>DataLab Name:</b>	<b>Silicomanganese, 60% Mn, Spot price; India, FOB</b>
Grade:	60% Mn, 14% Si, 2.5% C
Price basis:	FOB India, per Tonne of material
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	Producing plant
Type:	Spot
Currency:	Dollar
Weight Unit:	Tonne
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	Europe, Middle East, South East Asia
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### India 60% Mn EXW

<b>DataLab Name:</b>	<b>Silicomanganese, 60% Mn, Spot price; India, ex-warehouse</b>
Grade:	60% Mn, 14% Si, 2.5% C max, 0.3% P, 0.03% S
Price basis:	EXW (Ex-warehouse/Ex-plant), per Tonne of material
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk Loading
Location:	Producing plant or warehouse
Type:	Spot
Currency:	Indian Rupees (INR)
Weight Unit:	Tonne
Size:	Multiple truckloads
Timing:	No more than 4 weeks forward
Main Consumer Markets:	Indian inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### China 65% Mn FOB Theoretical

<b>DataLab Name:</b>	<b>Silicomanganese, 65% Mn, Spot price; China, FOB</b>
Grade:	Mn 65%; Si 17%
Price basis:	FOB China ports (mostly Tianjin and Fangcheng)



Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Chinese ports - foreign destination ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	4-8 weeks
Main Consumer Markets:	Japan, Africa and Asia
Pricing:	Calculated
Duties/Tariffs:	Export duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### Japan 65% Mn CIF (CN orig.) Theoretical *[Discontinued]*

DataLab Name:	Silicomanganese, 65% Mn, Spot price; Japan, China origin, CIF
Grade:	Mn 65%; Si 17%
Price basis:	CIF Japan
Credit/Payment terms:	n/a
Loading Location:	Chinese ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	n/a
Main Consumer Markets:	Japan
Pricing:	Calculated
Duties/Tariffs:	Export duty paid

### Japan 65% Mn CIF

DataLab Name:	Silicomanganese, 65% Mn, Spot price; Japan, CIF
Grade:	Mn 65%; Si 17%
Price basis:	CIF Japan
Credit/Payment terms:	Line of credit/Wire transfer
Loading Location:	Producer main port
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	No more than 12 weeks forward
Main Consumer Markets:	Japan
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Export duty paid

### Japan 65% Mn CIF (IN orig.)

DataLab Name:	Silicomanganese, 65% Mn, Spot price; Japan, India origin, CIF
Grade:	65% Mn, 16% Si
Price basis:	CIF Japan
Credit/Payment terms:	Line of credit/Wire transfer
Loading Location:	Producer main port
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	No more than 12 weeks forward
Main Consumer Markets:	Japan
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duties paid

### China 60% Mn FOB Theoretical *[Discontinued]*

DataLab Name:	Silicomanganese, 60% Mn, Spot price; China, FOB
Grade:	Mn 60%; Si 14%
Price basis:	FOB China ports (mostly Tianjin and Fangcheng)

Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Chinese ports - foreign destination ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	4-8 weeks
Main Consumer Markets:	Japan, Africa and Asia
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Export duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### China 60% Mn DAP [Discontinued]

DataLab Name:	Silicomanganese, 60% Mn, Spot price; China, DAP
Grade:	60% Mn, 14% Si
Price basis:	Per mt, delivered steel mill, mainly Hebei
Credit/Payment terms:	n/a
Loading Location:	Producing plant
Type:	Spot
Currency:	RMB
Weight Unit:	Tonne
Size:	100t +
Timing:	n/a
Main Consumer Markets:	Northern China
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Bi-weekly, every Tuesday and Thursday

## Silicon Metal

### US 98.5% Si 5-5-3 EXW

DataLab Name:	Silicon Metal, 98.5% Si 5-5-3, Spot price; USA, ex-warehouse
Grade:	98.5% Si; Max 0.5% Fe; 0.5% Al; 0.3% Ca
Price basis:	US ex-warehouse, per pound
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	US warehouse, typically Pittsburgh or Chicago or producing plant
Type:	Spot
Currency:	US dollar in cents
Weight Unit:	Pounds
Size:	1-5 truckloads
Timing:	No more than 16 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### EU 98.5% Si 5-5-3 DDP

DataLab Name:	Silicon Metal, 98.5% Si 5-5-3, Spot price; Europe, DDP
Grade:	98.5% Si, Max 0.5% Fe, 0.5% Al, 0.3% Ca
Price basis:	Delivered, duty paid, per Tonne
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	Rotterdam or producing plant
Type:	Spot
Currency:	Euros
Weight Unit:	Tonne
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	European inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Not applicable

### China 98.5% Si 5-5-3 FOB

<b>DataLab Name:</b>	Silicon Metal, 98.5% Si 5-5-3, Spot price; China, FOB
<b>Grade:</b>	Si 98.5% min; Max 0.5% Fe, 0.5% Al, 0.3% Ca
<b>Price basis:</b>	FOB Guangzhou Huangpu port, China
<b>Credit/Payment terms:</b>	Line of credit/Wire Transfer
<b>Loading Location:</b>	Chinese ports - foreign destination ports
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Bulk, typically 25 mt container
<b>Timing:</b>	4-8 week delivery
<b>Main Consumer Markets:</b>	Japan, South Korea, Southeast Asia, India and Europe
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	No export duty
<b>Frequency:</b>	Bi-weekly, every Tuesday and Thursday

### China 98.5% Si 5-5-3 DAP

<b>DataLab Name:</b>	Silicon Metal, 98.5% Si 5-5-3, Spot price; China, DAP
<b>Grade:</b>	Si 98.5% min; Max 0.5% Fe, 0.5% Al, 0.3% Ca
<b>Price basis:</b>	Delivered consumer
<b>Credit/Payment terms:</b>	Cash/Bank acceptance bill
<b>Loading Location:</b>	Producing plant
<b>Type:</b>	Spot
<b>Currency:</b>	RMB
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	China inland
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	VAT included, any other duties excluded
<b>Frequency:</b>	Bi-weekly, every Tuesday and Thursday

### Japan 98.5% Si 5-5-3 CIF

<b>DataLab Name:</b>	Silicon Metal, 98.5% Si 5-5-3, Spot price; Japan, DAP
<b>Grade:</b>	Si 98.5% min; Max 0.5% Fe, 0.5% Al, 0.3% Ca
<b>Price basis:</b>	CIF Japan
<b>Credit/Payment terms:</b>	Line of credit/Wire transfer
<b>Loading Location:</b>	Country of origin, mostly China
<b>Type:</b>	Spot
<b>Currency:</b>	USD
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Multiple containers
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	Japanese terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duties paid

### EU 99% Si 4-4-1 DDP

<b>DataLab Name:</b>	Silicon Metal, 99% Si 4-4-1, Spot price; Europe, DDP
<b>Grade:</b>	99% Si, Max 0.4% Fe, 0.4% Al, 0.1% Ca
<b>Price basis:</b>	Delivered, duty paid, per Tonne
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Rotterdam, producing plant
<b>Type:</b>	Spot
<b>Currency:</b>	Euro
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	European inland terminals/locations

Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Not applicable

### China 99% Si 4-4-1 FOB

**DataLab Name:** Silicon Metal, 99% Si 4-4-1, Spot price; China, FOB  
**Grade:** Si 99% min, Max 0.4% Fe, 0.4% Al, 0.1% Ca  
**Price basis:** FOB Guangzhou Huangpu port, China  
**Credit/Payment terms:** Line of credit/Wire Transfer  
**Loading Location:** Chinese ports - foreign destination ports  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Tonne  
**Size:** 25 mt per container  
**Timing:** 4-8 week delivery  
**Main Consumer Markets:** Japan, South Korea, Southeast Asia, India and Europe  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** No export duty  
**Frequency:** Bi-weekly, every Tuesday and Thursday

### China 99% Si 4-4-1 DAP

**DataLab Name:** Silicon Metal, 99% Si 4-4-1, Spot price; China, DAP  
**Grade:** Si 99% min, Max 0.4% Fe, 0.4% Al, 0.1% Ca  
**Price basis:** Delivered consumer  
**Credit/Payment terms:** Cash/Bank acceptance bill  
**Loading Location:** Producing plant  
**Type:** Spot  
**Currency:** RMB  
**Weight Unit:** Tonne  
**Size:** Multiple truckloads  
**Timing:** No more than 12 weeks forward  
**Main Consumer Markets:** China inland terminals/locations  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** VAT included, any other duties excluded  
**Frequency:** Bi-weekly, every Tuesday and Thursday

### US poly-Si 9-11N EXW [Discontinued]

**DataLab Name:** Silicon Metal, Polysilicon Trans Si 9-11N, Spot price; USA, ex-warehouse  
**Grade:** 9-11N Si  
**Price basis:** US ex-warehouse, per kilogram  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Big bags  
**Loading Location:** US warehouse, producer plants  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Kilogram  
**Size:** Tonne s chunks  
**Timing:** No more than 12 weeks forward  
**Main Consumer Markets:** US inland terminals, international procurements  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** Not applicable in US

## Manganese Ore

### China Lump 36-38% Mn CIF

**DataLab Name:** Manganese Ore, Lump, 36-38% Mn, Spot price; China, CIF  
**Grade:** 36-38% Mn  
**Price basis:** CIF main Chinese port, per dmtu  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk, container  
**Loading Location:** Producer main port  
**Type:** Spot

Currency:	US dollar
Weight Unit:	Dry Tonne
Size:	Multiple containers or larger
Timing:	No more than 12 weeks forward
Main Consumer Markets:	China inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No
Frequency:	Bi-weekly, every Tuesday and Thursday

### China Lump 44% Mn CIF

DataLab Name:	Manganese Ore, Lump, 44% Mn, Spot price; China, CIF
Grade:	44% Mn (Range 40-46%)
Price basis:	Per dmtu, CIF Chinese main port
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk, container
Loading Location:	Producing nation's main port
Type:	Spot
Currency:	US dollar
Weight Unit:	Dry Tonne
Size:	Multiple containers or larger
Timing:	No more than 12 weeks forward
Main Consumer Markets:	China inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No
Frequency:	Bi-weekly, every Tuesday and Thursday

### China Lump 36-38% Mn FOT Tianjin

DataLab Name:	Manganese Ore, Lump, 36-38% Mn, Spot price; China, Tianjin, FOT
Grade:	36-38%
Price basis:	FOT Tianjin port, per dmtu
Credit/Payment terms:	Cash
Packaging:	Bulk, container
Loading Location:	producing plant
Type:	Spot
Currency:	RMB
Weight Unit:	Dry tonne
Size:	Multiple containers or larger
Timing:	n/a
Main Consumer Markets:	Smelters in China and traders
Pricing:	Business reported by sellers to buyers
Duties/Tariffs:	Duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### China Lump 44% Mn FOT Tianjin

DataLab Name:	Manganese Ore, Lump, 44% Mn, Spot price; China, Tianjin, FOT
Grade:	44% Mn (Range 40-46%)
Price basis:	FOT Tianjin port, per dmtu
Credit/Payment terms:	Cash
Packaging:	Bulk, container
Loading Location:	Producing plant
Type:	Spot
Currency:	RMB
Weight Unit:	Dry tonne
Size:	Multiple containers or larger
Timing:	n/a
Main Consumer Markets:	Smelters in China and traders
Pricing:	Business reported by sellers to buyers
Duties/Tariffs:	Duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### India Lump 36-38% Mn CIF [Discontinued]

DataLab Name:	Manganese Ore, Lump, 36-38% Mn, Spot price; India, CIF
---------------	--

Grade:	36-38% Mn
Price basis:	CIF main India port, per dmtu
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk, container
Loading Location:	Producing nation's main port
Type:	Spot
Currency:	US dollar
Weight Unit:	Dry Tonne
Size:	Multiple containers or larger
Timing:	No more than 12 weeks forward
Main Consumer Markets:	India inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No

### India Lump 44% Mn CIF *[Discontinued]*

<b>DataLab Name:</b>	<b>Manganese Ore, Lump, 44% Mn, Spot price; India, CIF</b>
Grade:	44% Mn (Range 42-45%)
Price basis:	Per dmtu unit, CIF India main ports
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk, container
Loading Location:	Producing nation's main port
Type:	Spot
Currency:	US dollar
Weight Unit:	Dry Tonne
Size:	Multiple containers or larger
Timing:	No more than 12 weeks forward
Main Consumer Markets:	India inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No

## Manganese Metal

### China EMM Flake 99.7% Mn FOB

<b>DataLab Name:</b>	<b>Manganese Metal, Electrolytic Flake 99.7% Mn, Spot price; China, FOB</b>
Grade:	Mn 99.7% min (electrolytic)
Price basis:	FOB Guangzhou Huangpu port, China
Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Chinese ports - foreign destination ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	Bulk, typically 25 mt container
Timing:	4-8 weeks
Main Consumer Markets:	Japan, South Korea, the US, India and EU
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No export duty
Frequency:	Bi-weekly, every Tuesday and Thursday

### China EMM Flake 99.7% Mn EXW (dom.)

<b>DataLab Name:</b>	Manganese Metal, Electrolytic Flake 99.7% Mn, Spot price; China, EXW
<b>Grade:</b>	Mn 99.7% min (electrolytic)
<b>Price basis:</b>	China ex-works
<b>Credit/Payment terms:</b>	Cash
<b>Loading Location:</b>	Producing plant
<b>Type:</b>	Spot
<b>Currency:</b>	RMB
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	100 t +
<b>Timing:</b>	n/a
<b>Main Consumer Markets:</b>	China mainland
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	VAT included, any other duties excluded
<b>Frequency:</b>	Bi-weekly, every Tuesday and Thursday

### US EMM 99.7% Mn EXW

<b>DataLab Name:</b>	Manganese Metal, Electrolytic 99.7% Mn, Spot price; USA, ex-warehouse
<b>Grade:</b>	99.7% Mn
<b>Price basis:</b>	US ex-warehouse
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	US warehouse, typically Pittsburgh or Chicago
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Pounds
<b>Size:</b>	Truckload or larger
<b>Timing:</b>	No more than 16 weeks forward
<b>Main Consumer Markets:</b>	US inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### EU EMM 99.7% Mn DDP

<b>DataLab Name:</b>	Manganese Metal, Electrolytic 99.7% Mn, Spot price; Europe, DDP
<b>Grade:</b>	99.7% Mn
<b>Price basis:</b>	Delivered, duty paid, per tonne
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Rotterdam, or producing plant
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar
<b>Weight Unit:</b>	Tonnes
<b>Size:</b>	Truckload or larger
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	European inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

## Manganese Sulfate

### China Manganese sulfate 32% Mn min, EXW

<b>DataLab Name:</b>	China Manganese sulfate 32% Mn min, EXW
<b>Grade:</b>	32% Mn min, Fe 0.001% max, Zn 0.001% max, Cu 0.001% max, Pb 0.001% max, Cd 0.0005% max, K 0.01% max, Na 0.01% max, Ca 0.01% max, Mg 0.01%, max, Ni 0.005% max, Co 0.005% max
<b>Price basis:</b>	China ex-works
<b>Credit/Payment terms:</b>	Bank acceptance bill/Cash
<b>Loading Location:</b>	Producing plant
<b>Type:</b>	Spot
<b>Currency:</b>	RMB

Weight Unit:	Tonne
Size:	33t +
Timing:	n/a
Main Consumer Markets:	China mainland
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Monthly



# Chrome

## Ferrochrome

### US HC 47-55% Cr EXW *[Discontinued]*

DataLab name:	Chrome, High Carbon, 47-55% Cr, Spot price; USA, ex-warehouse
Grade:	47-55% Cr, 6-8% C
Price basis:	US ex-warehouse, contained Cr
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	US warehouse, typically Pittsburgh or Chicago
Type:	Spot
Currency:	US dollar in cents
Weight Unit:	Pounds
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### EU HC 47-55% Cr DDP Benchmark *[Discontinued]*

DataLab Name:	Chrome, High Carbon, 47-55% Cr, Benchmark, Spot price; Europe, DDP
Grade:	47-55% Cr, 6-8% C
Price basis:	South African benchmark minus average discounts
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	Rotterdam warehouse or producing plant, additional locations
Type:	Benchmark minus discounts
Currency:	US dollar in cents
Weight Unit:	Pounds
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	European inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### EU HC 47-55% Cr DDP Free Market *[Discontinued]*

DataLab Name:	Chrome, High Carbon, 47-55% Cr, Free Market, Spot price; Europe, DDP
Grade:	47-55% Cr, 6-8% C
Price basis:	Delivered, Duty paid, contained Cr
Credit/Payment terms:	Cash/Net 30-60 standard
Packaging:	Bulk
Loading Location:	Rotterdam warehouse or producing plant, additional locations
Type:	Spot
Currency:	US dollar in cents
Weight Unit:	Pounds
Size:	Multiple truckloads
Timing:	No more than 12 weeks forward
Main Consumer Markets:	European inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Duty paid

### EU Chrome Reference Value

DataLab Name:	CRU Reference Price Index, Chrome, Market- Europe
Price Basis:	Derived from the following <a href="#">this calculation process</a>

### China HC 49-70% Cr DAP (dom.) *[Discontinued]*

DataLab Name:	Chrome, High Carbon, 49-70% Cr, Spot price; China, DDP
Grade:	49-70% Cr; 6-10% C

Price basis:	China ex-producing point/warehouse
Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Major Chinese stainless mills
Type:	Spot
Currency:	USD cents
Weight Unit:	Pounds
Size:	Truckload volumes
Timing:	2-8 week delivery time
Main Consumer Markets:	China inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT unpaid for US dollar/VAT paid for Chinese yuan
Frequency:	Bi-weekly, every Tuesday and Thursday

### China HC 49-70% Cr CIF (impt.) *[Discontinued]*

<b>DataLab Name:</b>	Chrome, High Carbon, 49-70% Cr, Spot price; China, CIF
Grade:	49-70% Cr; 6% C
Price basis:	CIF China ports
Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Major Chinese ports and stainless mills
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds/Tonne
Size:	25 mt per container
Timing:	4-8 week delivery
Main Consumer Markets:	China inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Import duty paid

### China HC 48-63% Cr CIF (impt.)

<b>DataLab Name:</b>	Chrome, High Carbon, 49-70% Cr, Spot price; China, CIF
Grade:	48-63% Cr; 6-10% C
Price basis:	CIF China ports
Credit/Payment terms:	Line of credit/Wire Transfer
Loading Location:	Major Chinese ports and stainless mills
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds/Tonne
Size:	25 mt per container
Timing:	4-8 week delivery
Main Consumer Markets:	China inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	Import duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### China HC 49-53% Cr EXW

<b>DataLab Name:</b>	Chrome, High Carbon, 49-53% Cr, Spot price; China, EXW
Grade:	49-53% Cr; 6-10% C
Price basis:	China ex-producing point/warehouse
Credit/Payment terms:	Cash
Loading Location:	Producing plant/warehouse
Type:	Spot
Currency:	RMB
Weight Unit:	Tonnes
Size:	500 t +
Timing:	n/a
Main Consumer Markets:	China inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Bi-weekly, every Tuesday and Thursday

### EU HC 54-60% Cr DDP

<b>DataLab Name:</b>	Chrome, High Carbon, 54-60% Cr, Spot price; Europe, DDP
<b>Grade:</b>	54-60% Cr; 2-4% Si; 0.03-0.04% Ph; 6-8% C
<b>Price basis:</b>	Delivered, Duty paid, contained Cr
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Rotterdam warehouse or producing plant, additional locations
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Pounds
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer:</b>	European inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### US HC 62-70% Cr EXW

<b>DataLab Name:</b>	Chrome, High Carbon, 62-70% Cr, Spot price; USA, ex-warehouse
<b>Grade:</b>	62-70% Cr; 6-8% C; 1.5% max Si
<b>Price basis:</b>	US Ex-warehouse, contained Cr
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	US warehouse, typically Pittsburgh or Chicago
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Pounds
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	US inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### EU HC 62-70% Cr DDP *[Discontinued]*

<b>DataLab Name:</b>	Chrome, High Carbon, 62-70% Cr, Spot price; Europe, DDP
<b>Grade:</b>	62-70% Cr; 6-8% C; 1.5% max Si
<b>Price basis:</b>	Delivered, Duty paid, contained Cr
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading Location:</b>	Rotterdam warehouse or producing plant, additional locations
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Pounds
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	European inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders
<b>Duties/Tariffs:</b>	Duty paid

### EU HC 65-70% Cr DDP

<b>DataLab Name:</b>	Chrome, High Carbon, 65-70% Cr, Spot price; Europe, DDP
<b>Grade:</b>	65-70% Cr; 6-8% C; 1.5% max Si
<b>Price basis:</b>	Delivered, Duty paid, contained Cr
<b>Credit/Payment terms:</b>	Cash/Net 30-60 standard
<b>Packaging:</b>	Bulk
<b>Loading</b>	Location: Rotterdam warehouse or producing plant, additional locations
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar in cents
<b>Weight Unit:</b>	Pounds
<b>Size:</b>	Multiple truckloads
<b>Timing:</b>	No more than 12 weeks forward
<b>Main Consumer Markets:</b>	European inland terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers, including producers to traders

Duties/Tariffs:

Duty paid

### EU HC 60-64.9% Cr DDP

DataLab Name:

Chrome, High Carbon, 60-64.9% Cr, Spot price; Europe, DDP

Grade:

60-64.9% Cr; 6-9% C; 3% max Si

Price basis:

Delivered, Duty paid, contained Cr

Credit/Payment terms:

Cash/Net 30-60 standard

Packaging:

Bulk

Loading Location:

Rotterdam warehouse or producing plant, additional locations

Type:

Spot

Currency:

US dollar in cents

Weight Unit:

Pounds

Size:

Multiple truckloads

Timing:

No more than 12 weeks forward

Main Consumer Markets:

European inland terminals/locations

Pricing:

Business reported by sellers to buyers, including producers to traders

Duties/Tariffs:

Duty paid

### US LC 0.05% C EXW

DataLab Name:

Chrome, Low Carbon, 0.05% C, Spot price; USA, ex-warehouse

Grade:

65-70% Cr; 0.05 C

Price basis:

US Ex-warehouse, contained Cr

Credit/Payment terms:

Cash/Net 30-60 standard

Packaging:

Bulk

Loading Location:

US warehouse, typically Pittsburgh or Chicago

Type:

Spot

Currency:

US dollar in cents

Weight Unit:

Pounds

Size:

Minimum 10 mt

Timing:

No more than 12 weeks forward

Main Consumer Markets:

US inland terminals/locations

Pricing:

Business reported by sellers to buyers, including producers to traders

Duties/Tariffs:

Duty paid

### EU LC 0.05% C DDP

DataLab Name:

Chrome, Low Carbon, 0.05% C, Spot price; Europe, DDP

Grade:

65-70% Cr; 0.05 C

Price basis:

Delivered, Duty paid, contained Cr

Credit/Payment terms:

Cash/Net 30-60 standard

Packaging:

Bulk

Loading Location:

Rotterdam warehouse or producing plant, additional locations

Type:

Spot

Currency:

US dollar in cents

Weight Unit:

Pounds

Size:

Single truckload

Timing:

No more than 12 weeks forward

Main Consumer Markets:

European inland terminals/locations

Pricing:

Business reported by sellers to buyers, including producers to traders

Duties/Tariffs:

Duty paid

### US LC 0.10% C EXW

DataLab Name:

Chrome, Low Carbon, 0.10% C, Spot price; USA, ex-warehouse

Grade:

65-70% Cr; 0.10 C

Price basis:

US ex-warehouse, contained Cr

Credit/Payment terms:

Cash/Net 30-60 standard

Packaging:

Bulk

Loading Location:

US warehouse, typically Pittsburgh or Chicago

Type:

Spot

Currency:

US dollar in cents

Weight Unit:

Pounds

Size:

Single truckload

Timing:

No more than 12 weeks forward

Main Consumer Markets: US inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid

### EU LC 0.10% C DDP

**DataLab Name:** Chrome, Low Carbon, 0.10% C, Spot price; Europe, DDP  
**Grade:** 65-70% Cr; 0.10 C  
**Price basis:** Delivered, duty paid, contained Cr  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** Rotterdam warehouse or producing plant, additional locations  
**Type:** Spot  
**Currency:** US dollar in cents  
**Weight Unit:** Pounds  
**Size:** Multiple truckloads  
**Timing:** No more than 12 weeks forward  
 Main Consumer Markets: European inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid

### US LC 0.15% C EXW

**DataLab Name:** Chrome, Low Carbon, 0.15% C, Spot price; USA, ex-warehouse  
**Grade:** 65-70% Cr; 0.15 C  
**Price basis:** US ex-warehouse, contained Cr  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** US warehouse, typically Pittsburgh or Chicago  
**Type:** Spot  
**Currency:** US dollar in cents  
**Weight Unit:** Pounds  
**Size:** Single truckload  
**Timing:** No more than 12 weeks forward  
 Main Consumer Markets: US inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid

### US FeCr/Sr EXW

**DataLab Name:** Chrome, Fe Cr/Sr, Spot price; USA, ex-warehouse  
**Grade:** 40% Cr; 40% Si  
**Price basis:** US ex-warehouse  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** US warehouse, typically Pittsburgh or Chicago  
**Type:** Spot  
**Currency:** US dollar in cents  
**Weight Unit:** Pounds  
**Size:** Multiple truckloads  
**Timing:** No more than 12 weeks forward  
 Main Consumer Markets: US inland terminals/locations  
 Pricing: Formula price based on US FeSi and US HC FeCr 60-70% Cr  
 Duties/Tariffs: Duty paid

### Japan HC 60-70% CIF

**DataLab Name:** Chrome, High Carbon, Spot price; Japan, CIF  
**Grade:** 60-70%  
**Price basis:** CIF major Japanese port, contained Cr  
**Credit/Payment terms:** Cash/Net 30 days  
**Packaging:** Bulk  
**Loading Location:** Producing ports  
**Type:** Spot  
**Currency:** US cents  
**Weight Unit:** Pounds

Size: Multiple containers or larger  
 Timing: No more than eight weeks forward, with some leeway for holidays  
 Main Consumer Markets: Japan inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: VAT unpaid

### Japan LC 0.1% CIF

**DataLab Name:** Chrome, Low Carbon, 0.10% C, Spot price; Japan, CIF  
 Grade: 0.10 C  
 Price basis: CIF major Japanese port, contained Cr  
 Credit/Payment terms: Cash/Net 30 days  
 Packaging: Bulk  
 Loading Location: Producing ports  
 Type: Spot  
 Currency: US cents  
 Weight Unit: Pounds  
 Size: Multiple containers or larger  
 Timing: No more than 12 weeks forward, with some leeway for holidays  
 Main Consumer Markets: Japan inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: VAT unpaid

## Chrome Ore

### China Lump 42% Cr CIF (TR orig.)

**DataLab Name:** Chrome, Lump, 42% Cr, Spot Price; Turkey origin, CIF  
 Grade: 42% lumpy, 2:6:1 Cr to Fe ratio  
 Price basis: CIF Chinese main port  
 Credit/Payment terms: Cash/Net 30-60 standard  
 Packaging: Bulk, container  
 Loading Location: Turkish main port  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Dry Tonne  
 Size: Multiple containers or larger  
 Timing: No more than 12 weeks forward  
 Main Consumer Markets: China inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid  
 Frequency: Bi-weekly, every Tuesday and Thursday

### China Conc. 48% Cr CIF (TR orig.)

**DataLab Name:** Chrome, Concentrates, 46-48% Cr, Spot price; China, Turkey origin, CIF  
 Grade: 48% Cr  
 Price basis: CIF main Chinese port  
 Credit/Payment terms: Cash/Net 30-60 standard  
 Packaging: Bulk, container  
 Loading Location: Turkish main port  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Dry Tonne  
 Size: Multiple containers or larger  
 Timing: No more than 12 weeks forward  
 Main Consumer Markets: China inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid  
 Frequency: Bi-weekly, every Tuesday and Thursday

### China Ore 38-40% Cr CIF (ZA orig.)

**DataLab Name:** Chrome, Concentrates, 38-40% Cr, Spot price; China, South Africa origin, CIF  
 Grade: 38-40% lumpy

Price basis: CIF main Chinese port  
 Credit/Payment terms: Cash/Net 30-60 standard  
 Packaging: Bulk, container  
 Loading Location: Main South African port  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Dry Tonne  
 Size: Multiple containers or larger  
 Timing: No more than 12 weeks forward  
 Main Consumer Markets: China inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid  
 Frequency: Bi-weekly, every Tuesday and Thursday

### China Conc. 44% Cr CIF (ZA orig.)

**DataLab Name:** Chrome, Concentrates, 44% Cr, Spot price; China, South Africa origin, CIF  
 Grade: 44% Cr  
 Price basis: CIF Chinese main port  
 Credit/Payment terms: Cash/Net 30-60 standard  
 Packaging: Bulk, container  
 Loading Location: Main South African port  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Dry Tonne  
 Size: Multiple containers or larger  
 Timing: No more than 12 weeks forward  
 Main Consumer Markets: China inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: Duty paid  
 Frequency: Bi-weekly, every Tuesday and Thursday

### China UG2 42% Cr CIF (ZA orig.)

**DataLab Name:** Chrome, UG2 Concentrates, 42% Cr, Spot price; China, South Africa origin, CIF  
 Grade: 42% Cr  
 Price basis: CIF main Chinese port  
 Credit/Payment terms: Cash/Net 30-60 standard  
 Packaging: Bulk, container  
 Loading Location: Main South African port  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Tonne  
 Size: Multiple containers or larger  
 Timing: No more than 12 weeks forward  
 Main Consumer Markets: China inland terminals/locations  
 Pricing: Business reported by sellers to buyers, including producers to traders  
 Duties/Tariffs: No  
 Frequency: Bi-weekly, every Tuesday and Thursday

### China UG2 42% Cr (ZA orig.) FOT Tianjin

**DataLab Name:** Chrome, UG2 Concentrates, 42% Cr, Spot price; China, South Africa origin, FOT  
 Grade: 42% Cr  
 Price basis: FOT Tianjin port, per dmtu  
 Credit/Payment terms: Cash  
 Packaging: Bulk, container  
 Loading Location: Producing plant  
 Type: Spot  
 Currency: RMB  
 Weight Unit: Dry tonne  
 Size: Multiple containers or larger  
 Timing: n/a  
 Main Consumer Markets: Smelters in China and traders  
 Pricing: Business reported by sellers to buyers

Duties/Tariffs: Duty paid  
Frequency: Bi-weekly, every Tuesday and Thursday

## Chrome Metal

### US Aluminothermic 99% Cr EXW

**DataLab Name:** [Chrome, Aluminothermic, 99% Cr, Spot price; USA, ex-warehouse](#)  
**Grade:** Aluminothermic chrome metal, 99% Cr  
**Price basis:** US ex-warehouse  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** US warehouse, typically Pittsburgh or Chicago  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Pounds  
**Size:** 5 mt  
**Timing:** No more than 12 weeks forward  
**Main Consumer Markets:** US inland terminals/locations  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** Duty paid

### EU Aluminothermic 99% Cr DDP

**DataLab Name:** [Chrome, Aluminothermic, 99% Cr, Spot price; Europe, DDP](#)  
**Grade:** Aluminothermic chrome metal, 99% Cr  
**Price basis:** Delivered, Duty Paid, per Tonne  
**Credit/Payment terms:** Cash/Net 30-60 standard  
**Packaging:** Bulk  
**Loading Location:** Rotterdam  
**Type:** Spot  
**Currency:** US dollar  
**Weight Unit:** Tonne  
**Size:** Partial and Full Truckloads  
**Timing:** No more than 12 weeks forward  
**Main Consumer Markets:** EU inland terminals/locations  
**Pricing:** Business reported by sellers to buyers, including producers to traders  
**Duties/Tariffs:** Duty paid



## Molybdenum

### Ferromolybdenum

#### US FeMo 65% Mo EXW

<b>DataLab Name:</b>	<a href="#">Molybdenum, FeMo, Spot price; USA, EXW</a>
<b>Grade:</b>	65% min Mo – 0.5% Cu; 1.5% Si; 0.06% P; 0.1% C; 0.1% S.
<b>Price basis:</b>	US ex-warehouse
<b>Credit/Payment terms:</b>	Cash/Net 30
<b>Loading Location:</b>	Major US ports/warehouse; domestic destinations only
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar
<b>Weight Unit:</b>	Pounds of Mo
<b>Size:</b>	5 mt
<b>Timing:</b>	No more than 8 weeks forward
<b>Main Consumer Markets:</b>	US terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers – no inter-trade activity
<b>Duties/Tariffs:</b>	Duty paid

#### EU FeMo 65% Mo DDP

<b>DataLab Name:</b>	<a href="#">Molybdenum, FeMo, Spot price; Europe, DDP</a>
<b>Grade:</b>	65% min Mo – 0.5% Cu; 1.5% Si; 0.06% P; 0.1% C; 0.1% S.
<b>Price basis:</b>	DDP
<b>Credit/Payment terms:</b>	Cash/Net 30
<b>Loading Location:</b>	Major European ports/warehouse
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar
<b>Weight Unit:</b>	Kilos of Mo
<b>Size:</b>	10 mt to 20 mt (partial and full truckloads)
<b>Timing:</b>	No more than 8 weeks forward
<b>Main Consumer Markets:</b>	European terminals/locations
<b>Pricing:</b>	Business reported by sellers to buyers – no inter-trade activity
<b>Duties/Tariffs:</b>	Duty paid

#### China FeMo 60% Mo DAP

<b>DataLab Name:</b>	<a href="#">Molybdenum, FeMo, Spot price; China, DAP</a>
<b>Grade:</b>	60% min Mo
<b>Price basis:</b>	Delivered consumer
<b>Credit/Payment terms:</b>	Cash/Net 30 days
<b>Type:</b>	Spot
<b>Currency:</b>	Rmb
<b>Weight Unit:</b>	Tonne
<b>Size:</b>	10 mt to 20 mt (partial and full truckloads)
<b>Timing:</b>	No more than four weeks forward, with some leeway for holiday
<b>Main Consumer Markets:</b>	Chinese mills
<b>Pricing:</b>	Business reported by sellers to buyers – no inter-trade activity
<b>Duties/Tariffs:</b>	VAT included, any other duties excluded
<b>Frequency:</b>	Bi-weekly, every Tuesday and Thursday

### Molybdenum Oxide

#### US Oxide 57% Mo EXW

<b>DataLab Name:</b>	<a href="#">Molybdenum, Oxide, Spot price; USA, EXW</a>
<b>Grade:</b>	57% min Mo – 0.5% Cu, 0.1% P, lead and sulfur
<b>Price basis:</b>	US ex-warehouse
<b>Credit/Payment terms:</b>	Cash/Net 30
<b>Loading Location:</b>	Major US ports/warehouse
<b>Type:</b>	Spot
<b>Currency:</b>	US dollar

Weight Unit: Pounds of Mo  
 Size: 5 mt packed in bags or drums  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: US terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

### EU Oxide 57% Mo EXW

**DataLab Name:** Molybdenum, Oxide, Spot price; Europe, EXW  
 Grade: 57% min Mo – 0.5% Cu, 0.1% P, lead and sulfur  
 Price basis: EXW  
 Credit/Payment terms: Cash/Net 30  
 Loading Location: Major Europe ports/warehouse  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Pounds of Mo  
 Size: 10 mt to 20 mt (partial and full truckloads) packed in bags or drums  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: Western Europe terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

### Main Asia Ports Oxide CIF

**DataLab Name:** Molybdenum, Oxide, Spot price; Asia, Main ports, CIF  
 Grade: 57% min Mo – 0.5% Cu, 0.1% P, lead and sulfur  
 Price basis: CIF Main Asia Ports (other locations in the Asian region may be reflected in the assessment after normalisation)  
 Credit/Payment terms: Cash/Net 30 days  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Pounds of Mo  
 Size: 10 mt to 20 mt (partial and full truckloads) packed in bags or drums  
 Timing: No more than four weeks forward, with some leeway for holiday  
 Main Consumer Markets: Japanese, Chinese, S. Korean terminals/locations (other locations in the Asian region may be reflected in the assessment after normalisation)  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid  
 Frequency: Weekly, every Friday

### EU Moly Metal DDP

**DataLab Name:** EU Mo Metal 99.8% DDP  
 Grade: 99.8% min Mo  
 Price basis: Delivered, Duty Paid, per Kilo  
 Credit/Payment terms: Cash/Net 30  
 Loading Location: Major Europe ports/warehouse  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Kilogramme  
 Size: 5 mt to 20 mt  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: Western Europe terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

## Noble Alloys & Minor Metals

### Ferrotitanium

#### US FeTi 68-72% Ti EXW

DataLab Name:	Ferrotitanium, 68-72% Ti, Spot price; USA, ex-warehouse
Grade:	68-72% min Ti – max: 0.5% N; 0.2% C; 6% Al; 1% Sn; 3% V
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds of Ti
Size:	Minimum 5 mt
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

#### EU FeTi 68-72% Ti DDP

DataLab Name:	Ferrotitanium, 68-72% Ti, Spot price; Europe, DDP
Grade:	68-72% min Ti – max: 0.5% N; 0.2% C; 6% Al; 1% Sn; 3% V
Price basis:	DDP
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major European ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Kilograms of Ti
Size:	Minimum 2 mt
Timing:	No more than 8 weeks forward
Main Consumer Markets:	European terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### Ferrotungsten

#### US FeW 72-75% W EXW

DataLab Name:	Ferrotungsten, 72-75% W, Spot price; USA, ex-warehouse
Grade:	72-75% min W – 0.5% Si, 0.05% Cu, 0.25% Mn, 0.2% C
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds of W
Size:	2 mt to 10 mt uncrushed 100x10, packed in 100-kilo drums.
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

#### EU FeW 72-75% W DDP

DataLab Name:	Ferrotungsten, 72-75% W, Spot price; Europe, DDP
Grade:	72-75% min W – 0.5% Si, 0.05% Cu, 0.25% Mn, 0.2% C
Price basis:	DDP
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major European ports/warehouse
Type:	Spot

Currency:	US dollar
Weight Unit:	Kilograms of W
Size:	Minimum 2 mt
Timing:	No more than 8 weeks forward
Main Consumer Markets:	European terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

## Ferrovandium

### US FeV 80% V EXW

<b>DataLab Name:</b>	<b>Ferrovandium, 80% V, Spot price; USA, ex-warehouse</b>
Grade:	80% min V – 1.50%max Al; 1.50%max Si; 0.25%max C; 0.05%max S; 0.05%max P
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds of V
Size:	5 mt packed in 25-lb bags of V on pallets
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### EU FeV 80% V DDP

<b>DataLab Name:</b>	<b>Ferrovandium, 80% V, Spot price; Europe, DDP</b>
Grade:	80% min V – 1.50%max Al; 1.50%max Si; 0.25%max C; 0.05%max S; 0.05%max P
Price basis:	DDP
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major Europe ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Kilograms of V
Size:	Minimum 5 mt packed in 250kg drums or supersacks
Timing:	No more than 8 weeks forward
Main Consumer Markets:	Europe terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

## Tantalum

### US Ta Ore 30% Ta EXW *[Discontinued]*

<b>DataLab Name:</b>	<b>Tantalum Ore, 30% Ta<sub>2</sub>O<sub>5</sub>, Spot price; USA, ex-warehouse</b>
Grade:	30% Ta
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds of Ta
Size:	2 mt to 5 mt.
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

## Tungsten

### US W Ore 65% WO3 EXW [Discontinued]

DataLab name:	Tungsten Ore, 65% WO3, Spot price; US, ex-warehouse
Grade:	65% min WO3 – S 0.7% max S; 0.05% max P; 0.15% max As; 0.13% max Cu; 0.2% max Sn; 7% max SiO2; 5% max Ca
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds of W
Size:	5 mt to 10 mt
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### US W APT 88.5% WO3 EXW [Discontinued]

DataLab Name:	Tungsten APT, 88.5% WO3, Spot price; USA, ex-warehouse
Grade:	88%.5 WO3
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds of W
Size:	5 mt to 10 mt
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### China FeW 72-75% W FOB

DataLab Name:	Ferrotungsten, 72-75% W, Spot price; China, FOB
Grade:	72-75% min W – S: 0.08% max; P: 0.05% max; C: 0.4% max; Si: 0.7% max; Mn: 0.5% max
Price basis:	Per kg W, fob China
Credit/Payment terms:	Cash
Loading Location:	Chinese ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	10 mt min
Timing:	1-6 weeks
Main Consumer Markets:	Japan, South Korea, the US, and EU
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No export duty
Frequency:	Bi-weekly, every Tuesday and Thursday

### China tungsten concentrate 65% WO3 – domestic DAP

DataLab Name:	Tungsten Ore, 60% WO3, Spot price; China, DAP
Grade:	WO3: 65% max; S: 0.8% max; P: 0.10% max; As: 0.15% max; Mo: 0.05% max; Ca: 5% max; Mn: 1.5% max; Cu: 0.25% max; Sn: 0.25% max; SiO2: 7.0% max
Price basis:	Per mt, delivered place, mainly Jiangxi
Credit/Payment terms:	Cash
Loading Location:	Producing plant
Type:	Spot
Currency:	RMB
Weight Unit:	Tonne
Size:	50t min

Timing:	n/a
Main Consumer Markets:	Middle and east China
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Bi-weekly, every Tuesday and Thursday

### China APT 88.5% DAP

DataLab Name:	<a href="#">Tungsten APT, 88.5% WO3, Spot price; China, DAP</a>
Grade:	WO3: 88.5% min
Price basis:	Per mt, delivered place, mainly Hunan, Fujian, Sichuan
Credit/Payment terms:	Cash
Loading Location:	Producing plant
Type:	Spot
Currency:	RMB
Weight Unit:	Tonne
Size:	20t min
Timing:	n/a
Main Consumer Markets:	Central, eastern and southern China
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Bi-weekly, every Tuesday and Thursday

### China APT 88.5% WO3 FOB

DataLab Name:	<a href="#">Tungsten APT, 88.5% WO3, Spot price; China, FOB</a>
Grade:	WO3: 88.5% min
Price basis:	Per mtu WO3, fob China
Credit/Payment terms:	Cash
Loading Location:	Chinese ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	17t min
Timing:	1-6 weeks
Main Consumer Markets:	Japan, South Korea, the US, and EU
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	No export duty
Frequency:	Bi-weekly, every Tuesday and Thursday

## Vanadium

### China V2O5 98% V FOB *[Discontinued]*

DataLab Name:	<a href="#">Vanadium, V2O5 98% V, Spot price; China, FOB</a>
Grade:	98% V
Price basis:	FOB China
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major Chinese ports
Type:	Spot
Currency:	US dollar
Weight Unit:	Pound
Size:	5 mt to 10 mt
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

### China V2O5 98% V DAP (dom.)

DataLab Name:	<a href="#">Vanadium, V2O5 98% V, Spot price; China, DAP</a>
Grade:	98% V
Price basis:	DAP China
Credit/Payment terms:	Cash/Net 30

Loading Location:	Major Chinese ports
Type:	Spot
Currency:	Chinese RMB
Weight Unit:	Tonne
Size:	5 mt to 10 mt
Timing:	No more than four weeks forward, with some leeway for holiday
Main Consumer Markets:	Chinese inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid
Frequency:	Bi-weekly, every Tuesday and Thursday

## Minor Metals

### US Antimony 99.65% Sb EXW

DataLab Name:	<a href="#">Antimony, 99.65% Sb, Spot price; USA, ex-warehouse</a>
Grade:	99.65% min Sb ingot, max 0.15% As, max 50 ppm Se, balance Pb
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse; domestic destinations only
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds
Size:	10 mt to 20 mt (partial and full truckloads)
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### EU Antimony 99.65% Sb EXW

DataLab Name:	<a href="#">Antimony, 99.65% Sb, Spot price; Europe, ex-warehouse</a>
Grade:	99.65% min Sb ingot, max 0.15% As, max 50 ppm Se, balance Pb
Price basis:	EU ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Rotterdam
Type:	Spot
Currency:	US dollar
Weight Unit:	Tonne
Size:	10 mt to 20 mt (partial and full truckloads)
Timing:	No more than 8 weeks forward
Main Consumer Markets:	EU inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### US Bismuth 99.99% Bi EXW

DataLab Name:	<a href="#">Bismuth, 99.99% Bi, Spot price; USA, ex-warehouse</a>
Grade:	99.99% min Bi ingot/shot
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse; domestic destinations only
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds
Size:	1 mt to 5 mt (small volume lots)
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### EU Bismuth 99.99% Bi EXW

DataLab Name:	<a href="#">Bismuth, 99.99% Bi, Spot price; Europe, ex-warehouse</a>
Grade:	99.99% min Bi ingot/shot

Price basis: EU ex-warehouse  
 Credit/Payment terms: Cash/Net 30  
 Loading Location: Rotterdam  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Pounds  
 Size: 1 mt to 5 mt (small volume lots)  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: EU inland terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

### US Cadmium 99.95% Cd EXW *[Discontinued]*

**DataLab Name:** [Cadmium, 99.95% Cd, Spot price; USA, ex-warehouse](#)  
 Grade: 99.95% min Cd sticks  
 Price basis: US ex-warehouse  
 Credit/Payment terms: Cash/Net 30  
 Loading Location: Major US ports/warehouse; domestic destinations only  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Pounds  
 Size: 500 lb to 5 mt (small volume lots)  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: US inland terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

### EU Cadmium 99.95% Cd EXW *[Discontinued]*

**DataLab Name:** [Cadmium, 99.95% Cd, Spot price; Europe, ex-warehouse](#)  
 Grade: 99.95% min Cd sticks  
 Price basis: EU ex-warehouse  
 Credit/Payment terms: Cash/Net 30  
 Loading Location: Rotterdam  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Pounds  
 Size: 500 lb to 5 mt (small volume lots)  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: US inland terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

### US Indium 99.99% In EXW

**DataLab Name:** [Indium, 99.99% In, Spot price; USA, ex-warehouse](#)  
 Grade: 99.99% min In  
 Price basis: US ex-warehouse  
 Credit/Payment terms: Cash/Net 30  
 Loading Location: Major US ports/warehouse; domestic destinations only  
 Type: Spot  
 Currency: US dollar  
 Weight Unit: Kilos  
 Size: 100 kg lots  
 Timing: No more than 8 weeks forward  
 Main Consumer Markets: US inland terminals/locations  
 Pricing: Business reported by sellers to buyers – no inter-trade activity  
 Duties/Tariffs: Duty paid

### EU Indium 99.99% In EXW

**DataLab Name:** [Indium, 99.99% In, Spot price; Europe, ex-warehouse](#)  
 Grade: 99.99% min In  
 Price basis: EU ex-warehouse  
 Credit/Payment terms: Cash/Net 30



Loading Location:	Rotterdam
Type:	Spot
Currency:	US dollar
Weight Unit:	Kilos
Size:	100 kg lots
Timing:	No more than 8 weeks forward
Main Consumer Markets:	EU inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### US Selenium 99.5% Se EXW

<b>DataLab Name:</b>	Selenium, 99.5% Se, Spot price; USA, ex-warehouse
Grade:	99.5% min Se – min 200 mesh
Price basis:	US ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Major US ports/warehouse; domestic destinations only
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds
Size:	500kg to 5 mt (small lot transactions)
Timing:	No more than 8 weeks forward
Main Consumer Markets:	US inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

### EU Selenium 99.5% Se EXW

<b>DataLab Name:</b>	Selenium, 99.5% Se, Spot price; Europe, ex-warehouse
Grade:	99.5% min Se – min 200 mesh
Price basis:	EU ex-warehouse
Credit/Payment terms:	Cash/Net 30
Loading Location:	Rotterdam
Type:	Spot
Currency:	US dollar
Weight Unit:	Pounds
Size:	500kg to 5 mt (small lot transactions)
Timing:	No more than 8 weeks forward
Main Consumer Markets:	EU inland terminals/locations
Pricing:	Business reported by sellers to buyers – no inter-trade activity
Duties/Tariffs:	Duty paid

## Cobalt

### EU 99.8% Co DDP

<b>DataLab Name:</b>	Cobalt, 99.8% Co, Spot price; Europe, DDP
Grade:	99.8% min Co
Price basis:	Delivered, duty paid, per pound
Credit/Payment terms:	Cash/Net 30-60 standard
Loading Location:	Rotterdam
Type:	Spot
Currency:	US Dollar
Weight Unit:	Pound
Size:	min 1 tonne
Timing:	No more than 8 weeks forward
Main Consumer Markets:	European inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders

### US 99.8% Co EXW

<b>DataLab Name:</b>	Cobalt, 99.8% Co, Spot price; USA, ex-warehouse
Grade:	99.8% min Co
Price basis:	US ex-warehouse

Credit/Payment terms:	Cash/Net 30-60 standard
Loading Location:	Major US ports/warehouse; domestic destinations only
Type:	Spot
Currency:	US Dollar
Weight Unit:	Pound
Size:	min 1 tonne
Timing:	No more than 8 weeks forward
Main Consumer Markets:	European inland terminals/locations
Pricing:	Business reported by sellers to buyers, including producers to traders

### China 99.8% Co DAP

DataLab Name:	Cobalt, 99.8% Co, Spot price; China, DAP
Grade:	99.8% min Co
Price basis:	DAP
Credit/Payment terms:	Bank acceptance (other payment normalized)
Loading Location:	Producer plant
Type:	Spot - Assessed
Currency:	RMB
Weight Unit:	Metric ton of material
Size:	Min lot size 1 tonne
Timing:	No more than 4 weeks forward
Main Consumer Markets:	China
Pricing:	Business reported by sellers to buyers, including producers to traders
Duties/Tariffs:	VAT included, any other duties excluded
Frequency:	Weekly, every Friday