

CHARGES FOR HARBOR TRANSPORTATION SERVICE II

(Measuring, survey, inspection, dangerous cargo inspection, analysis)

Note:

The rates for measuring, survey, inspection, dangerous cargo inspection and analysis are indicated by referring to the tariff of General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association. The rates of the General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association are a little different, so please contact General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association for details.

General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association Tel 03-3552-1241

The notification system has been applied to each rate since Nov. 1, 2000 (The system has been applied to the tariffs for tallying, measuring and survey since May 15, 2006). In case the port transport company has notified the tariff that is different from the one specified below, the notified tariff shall be applicable to the service rate. Therefore, please refer to the following tariff for "reference".

Consumption tax rate will be 8% from April 1, 2014.

[8] LOADING CARGO MEASURING CHARGES

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association
Tel 03-3449-2611
Approved Aug. 4, 1995
Effective Aug., 12, 1995

I Scope of Application

This tariff shall be applicable to loading cargo measuring works.

II Kinds and Amounts of Charges

1. Basic Rates

(per ton; in yen)

Classification of Cargo		Rate
General Cargo		274.10
Specified Cargo	Palletized Cargo, Knockdown of Car	229.50
	Cement, Fertilizer in Bags	96.20
	General Steel Products	148.90
	Frozen Cargo, Chilled Cargo	287.90

Note: For FCL cargoes, the basic rates are as follows:

- ① General cargo ¥262.30
- ② Palletized cargo & C.K.D ¥219.60

Cargo not Specified in the Table

As for cargo not specified in the table above, the rate on similar cargo in packing style and quantity to those in this tariff shall be applied thereto, and if no similar cargo is available, the rate is to be fixed upon consultation with clients, thereby the rates thus shall become the respective basic rate.

2. Additional Charges

Additional charges shall be applied as follows.

In case the additional charges overlap, the basic rate shall be multiplied by the respective additional charge rate and the amount thus obtained shall be summed.

Classification	Description	Additional rate
Half-night Work	Work done between 16:30 hrs. and 21:30	60% of the basic rate
Sunday and Holiday Work	Work on Sundays and Holidays	100% of the basic rate
Work in Winter	Work done in Hokkaido between December 1 st and March 31 st of the following year	30% of the basic rate

3. Discount Rates

In case the same cargo belonging to one particular applicant satisfies all of the following prerequisites, the amount equivalent to 5% of the total amount claimed shall be deducted:

- (1) Long term contract longer than three months
- (2) Twice or more repeated applications in a month
- (3) Quantity handled in one application is over 3,000 tons

4. Waiting Charges

Waiting charges shall be applied as follows. (per capita, per hour; in yen)

Classification	Rate
Day time (08:30 – 16:30 hrs.)	2,823
Half-night (16:30 – 21:30 hrs.)	4,391

The waiting charges of the prescribed day time rate shall be charged for the waiting time counted between 08:30 and 16:30 hours, while the waiting time charge of the prescribed half-night rate shall be charged for the waiting time counted between 16:30 and 21:30 hours.

The waiting charges, however, shall not be applied in case the waiting is attributable to the measurer.

5. Minimum charge for measuring service

In every case of measuring operation, the consignment consisting of less than four tons shall be regarded as four tons in imposing the basic rate.

6. Weight or Measurement Certificate

Up to 3 copies: original, duplicate and triplicate¥1,105
For extra copies other than above¥312 per sheet

7. **Weight or Measurement List**¥312 per sheet

8. Contribution and Surcharge

(1) Contribution for the port and harbor public welfare facilities

¥0.40 per ton

In order to promote harbor workers' welfare and help to modernize harbor facilities, this contribution shall be collected apart from the basic rates and be paid to Japan Port & Harbor Workers Welfare Association

(2) Labor Stabilization Fund

¥0.35 per ton

For the purpose of helping workers engaged in harbor transportation businesses to enhance their capability, stabilize employment and secure livelihoods, this contribution shall be collected apart from the basic rates and be paid to Port & Harbor Labor Stabilization Association.

9. Consumption Tax Amount to be Added

(1) Consumption tax shall charged by 5 % of the total amount (exclusive of the business deals which are exempt from taxation).

(2) When the result of the above calculation includes the amount less than one yen, that amount shall be rounded up to one yen if it is ¥0.50 or over and shall be cut away if otherwise.

10. Calculation Method

The charges are calculated in the following manner:

Tonnage for calculating charges shall be based on weight or measurement whichever is greater.

Under this tariff, 1,000 kilograms of weight and 1.133 cubic meters of volume shall be regarded as one ton.

11. Others

(1) When the measurer has to deal with such specific cargoes as the soiled, dirty smelling, damaged or burned, or has to carry out such special work as sorting out cargoes according to their categories and labels, an additional amount of charge shall be negotiated and fixed with the applicant besides the basic rate for the concerned cargoes.

(2) In the event that the applicant wants us to adopt peculiar measuring procedure different from our usual ones, a specific amount of charge appropriate for such a procedure shall be negotiated and fixed with the applicant.

(3) When the measurer is dispatched to a place away from his usual working area, the dispatching charges on an actual cost basis shall be billed

(4) As for the matter not stipulated in this Tariff, it shall be dealt with according to the agreement made between the parties concerned or to a similar business practice.

SEPARATE CHARGES FROM THAT OF LOADING CARGO MEASURING

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association Tel 03-3449-2611

General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association Tel 03-3552-1241

1 Dispatching Expenses

In the case of dispatching a measurer to a specific place by the request of the applicant, the following additional charges shall be billed in addition to the basic rate:

- (1) A workshop situated within the same city or town as the Association's office, but apart from customarily-designated place for the service:

..... ¥1,560 per case, per place and per capita

- (2) When an inspection service needing two and over days' travel is conducted in the region where none of the Association's offices is located;

For the period required for the trip ¥19,500 per capita and per diem

However, for the days of departure and return, respectively ¥9,800 per capita

- (3) Adjacent city, nearby specific region or one day's local trip

..... ¥9,800 per capita and per diem

2 Traveling Expenses

- (1) Lodging accommodation expense (inclusive of daily allowance)

..... ¥17,000 per capita and per diem

- (2) Transportation expense :

Railway

For a ride of less than 100 km Ordinary class fare

For a ride of 100 km and more Green car fare

Fares for an express train, reserved seat, etc., if necessarily paid by the measurer, shall be refunded by the applicant.

Vessel First class fare

Taxi, Bus, sampan, etc. Actual cost

3 Where it is impossible to apply those rates introduced in this tariff, the measuring service fee shall be worked out separately as an actual cost of ¥50,000 or more for instance, in the case of a complicated measuring work that required the assortment of the designated cargo, or for the performance of work which takes an excessive time owing to a limited cargo handling efficiency.

Remarks: As for applying discount charges specified in the Tariff II-3

- (1) Definition of "the same kind of cargo" is as per the specification of cargo in the Tariff II-1.

- (2) "Twice or more repeated application in a month" is on the basis of the same loading port.

- (3) "Quantity handled in one application is over 3,000 tons" is on the basis of the same kind of cargo per one port, vessel and invoice.

- (4) Discount charge is not applicable to negotiated charges and minimum charges.

CHARGES FOR INSPECTION OF STUFFING CARGO INTO CONTAINERS

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association Tel 03-3449-2611

General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association Tel 03-3552-1241

1. Basic Rates

Cargo per ton	¥384
Minimum charge per case	¥25,000

2. Terms and Conditions

- (1) Charges herein prescribed shall be applicable to dry cargoes stuffed into dry containers.
- (2) Definition of ton:
 - In terms of weight :1,000 kgs.
 - In terms of measurement :1.133 cubic meters
- (3) The rate will be based on either of weight or measurement ton, whichever is greater.
- (4) In case tallying works are incidentally required, measuring service fee shall be worked out separately.

3. Additional Charges

- (1) Overtime (per capita, per place)
 - From 16:30 hrs. to 21:30 hrs. per hour¥2,390
- (2) Sunday and Holidays (per capita, per place)
 - If the tallying work on Sunday and Holidays is requested by the applicant, the following additional charge shall be applied.
 - From 08:30 hrs. to 21:30 hrs. per 4 hours or less¥9,570
- (3) When detailed records of the apparent condition of cargo itself is necessitated, or certification of both measurement and weight of the cargo is requested, the additional charge shall be required.
- (4) The special charge assessed on an actual cost basis shall be borne by the applicant when it is impossible to apply the rate of basic rate stipulated herein by reason that the inspection service is extra-ordinarily complicated or takes an excessive time owing to such conditions as the assorted stuffing of different kinds of cargo, stuffing of cargo in complicatedly-shaped packages, stuffing of valuable or fragile goods or inefficiency of cargo handling

4. Consumption Tax

- (1) Consumption tax shall be charged by 5 % of the total amount (exclusive of the business deals which are exempt from taxation)
- (2) When the result of the above calculation includes the amount less than one yen, that amount shall be rounded up to one yen if it is ¥0.50 or over and shall be cut away if otherwise

5. Dispatching Expenses

- (1) When an inspection is conducted within the same city or town (except designated places for weighing shipping cargo); ¥1,560 per place and per case
- (2) When an inspection service needing two and over days' travel is conducted in the region where none of the Association's offices is located;
- For the period required for the trip ¥19,500 per capita and per diem
- However, for the days of departure and return, respectively ¥9,800 per capita
- (3) When dispatched to an adjacent area or in case of a one day's local trip
- ¥9,800 per capita and per diem

6. Traveling Expenses

- (1) Lodging accommodation expense (inclusive of daily allowance)
- ¥17,000 per capita and per diem
- (2) Traffic Expenses
- ① Railway
- For a ride of less than 100 km Ordinary class fare
- For a ride of 100 km and more Green car fare
- Fares for an express train, reserved seat, etc., if necessarily paid by the inspector, shall be refunded by the applicant;
- ② Vessel First class fare
- ③ Taxi, Bus, sampan, etc. Actual cost

7. Charge for Issuance of Certificate

Per sheet ¥726

Remarks:

1. The rates stipulated in this section shall also be applied to the devanning inspection.
2. * An actual cost mentioned in Article 3-(4) shall be ¥50,000 or more per work per day (7 actual working hours)
- * As for the matter not specified in this Tariff, the rate shall be decided upon consultation with the client and thus imposed.

[9] LANDED CARGO MEASURING CHARGES

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association

Tel 03-3449-2611

Approved Aug. 4, 1995 / Effective Aug., 12, 1995

I Scope of Application

This tariff shall be applied to landed cargo weighing works.

II Kinds and Application of Charges

1. Basic Rates

(per ton, in yen)

Classification of Cargo			Rate	
General Cargo			196.50	
Specified Cargo	In Bags	Grains	226.90	
		Bran, fish meal and others	340.90	
	Grains in bulk (supervision of bagging toward a specified amount, necessitating weight certification at regular intervals)		173.60	
	Raw cotton, originating from	North and South America and African Nations	538.90	
		India and Pakistan	302.90	
	Refrigerated or Chilled goods		379.10	
	Pig iron in bulk		123.80	
	Iron and Steel Scrap, Non-ferrous Metallic Ore		147.10	
	Wood	Floating	South Sea Log	172.00
			American, New Zealand's and Chilean Logs	220.10
			North Sea Log	294.00
		On Shore	South Sea Log	273.60
			American, New Zealand's and Chilean Logs	292.60
			North Sea Log	340.60
Bulk Cargo	Agricultural Products, Sugar and Raw Material of Fertilizer	Scaled by Truck	150.10	
		Scaled by Hopper	67.00	

Notes:

(1) Apart from the (1) mentioned above, in case that agricultural products in bulk are discharged through a large pneumatic device with the normal power of 400 tons and over per hour, the basic rate for the service shall be set at ¥59.80per ton.

Cargo not Specified in the Table

As for the cargo not specified in the basic rate, the basic rate for another cargo of a similar type of packing and handling amount shall be applied. In the absence of such similar cargo, the rate is decided upon consultation with the client.

2. Additional Charge

Additional charges shall be applied as follows.

In case of imposing two or over additional charges simultaneously, the applicable basic rate shall be multiplied by the respective additional charge rates and the amount thus obtained shall be summed.

Classification	Description	Additional Rates
Half-night Work	Work done between 16:30 hrs and 21:30 hrs	60% of the basic rate
Work on Sundays and Holidays	Work done on Sundays and Holidays	100% of the basic rate
Work in winter	Work done in Hokkaido, between December 1 st and March 31 st of the following year	30% of the basic rate

3. Discount Rates

Discount rates are as follows.

The amount equivalent to 5% of the basic fee will be discounted from the claimed charge when the same kind of cargo belonging to one particular applicant complies with all of the following prerequisites.

Discount for a long term and large quantities

- (1) Long term contract longer than three months
- (2) Twice or more repeated applications in a month
- (3) Quantity handled in one application is over 3,000 tons.

But this discount formula will not be applicable to bulk cargo to be dealt with in landed cargo weighing.

4. Waiting Charges

Waiting charges shall be applied as follows. (per capita, per hour; in yen)

Classification	Rate
Day time (from 08:30 hrs to 16:30 hrs)	3,035
Half-night (from 16:30 hrs to 21:30 hrs)	4,721

The waiting charges of the prescribed day time rate shall be charged for the waiting time counted between 08:30 and 16:30, while the waiting time charge of the prescribed half-night rate shall be charged for the waiting time counted between 16:30 and 21:30. The above charges, however, shall be applied only in case the waiting is not attributable to the measurer.

5. Charges for Issuance of Weight or Measurement Certificate

Up to 3 copies: original, duplicate and triplicate Gratis
 For extra copies other than above ¥312 per sheet

6. Charge for issuance of Weight or Measurement List ¥312 per sheet

7. Contribution and Surcharge

- (1) Monetary Contribution to Harbor Welfare Fund¥0.40 per ton

In order to promote harbor workers' welfare and help to modernize harbor facilities, this contribution shall be collected apart from the basic rates and be paid to Japan Port & Harbor Workers Welfare Association.

- (2) Labor Stabilization Fund¥0.35 per ton

For the purpose of helping workers engaged in harbor transportation businesses to enhance their capability, stabilize employment and secure livelihoods, this contribution shall be collected apart from the basic rates and be paid to Port & Harbor Stabilization Association

8. Consumption Tax

- (1) Consumption tax shall be charged by 5 % of the total amount (exclusive of the business deals which are exempt from taxation)
- (2) When the result of the above calculation includes the amount less than one yen, that amount shall be rounded up to one yen if it is ¥0.50 or over and shall be cut away if otherwise

9. Provisions of Application

The charges shall be calculated in the following manner.

Tonnage for calculating charges shall be based on weight or measurement whichever is greater. Under this tariff, 1,000 kilograms of weight and 1.133 cubic meters of volume shall be regarded as one ton.

10. Others

- (1) When the measurer has to deal with such specific cargoes as the soiled, dirty, smelling, damaged or burned, or has to carry out such special work as sorting out cargoes according to their categories and labels, besides the Basic Rate for the cargoes concerned, an additional amount of charge shall be negotiated and fixed with the applicant.
- (2) In the event that applicant wants us to adopt a peculiar measuring procedure different from our usual ones, a specific amount of charge appropriate for such a procedure shall be negotiated and fixed with the applicant.
- (3) When the measurer is dispatched to a place away from his usual working area, the dispatching charges on an actual cost basis shall be billed.
- (4) When the measurer carries out such special work as identifying the kinds of wood, grading logs or labeling logs with plates, an additional charge on an actual cost basis shall be billed
- (5) As for the matter not stipulated in this Tariff, it shall be dealt with according to the agreement made between the parties concerned or to a similar business practice within the legal limits of the related laws.

SEPARATE CHARGES FROM THAT OF MEASURING CARGO UNLOADED ON SHORE

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association Tel 03-3449-2611

General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association Tel 03-3552-1241

1. Dispatching Expenses

In the case of dispatching a measurer to a specific place by the request of the applicant, the following extra charges shall be billed in addition to the Basic Rate.

- (1) Region where none of the Association's offices is located
For the period required for the Measurer's round trip
.....¥19,500 per capita and per diem
However, for the days of departure and return, respectively ¥9,800 per capita
- (2) Adjacent city, nearby specific, region or one day's local trip
..... ¥9,800 per capita and per diem

2. Traveling Expense:

- (1) Lodging accommodation expense (inclusive of daily allowance)
.....¥17,000 per capita and per diem
- (2) Transportation expense:
 - Railway
 - For a ride of less than 100 km Ordinary class fare
 - For a ride of 100 km and more Green car fare
 - Fares for an express train, reserved seat, etc., if necessarily paid by the measurer, shall be refunded by the applicant.
 - Vessel First class fare
 - Taxi, Bus, Sampan, etc. Actual cost

- 3. Where it is impossible to apply those rates introduced in this Tariff, the measuring service fee shall be worked out separately as an actual cost of ¥50,000 or more for instance, in the case of a complicated measuring work that required the assortment of the designated cargo, or for the performance of work which takes an excessive time owing to a limited cargo handling efficiency

Remarks: As for the application of discount charges specified in the Tariff II-3.

- (1) Definition of "the same kind of cargo" is as per the specification of cargo in the Tariff II-1.
- (2) "Twice or more repeated application in a month" is on the basis of the same loading port.
- (3) "Quantity handled in one application is over 3,000 tons" is on the basis of the same kind of cargo per one port, vessel and invoice.

[10] SURVEY CHARGES

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association

03-3449-2611

Reported April 15, 2013 / Effective May 15, 2013

I Kinds and Amount of Charges

1. Basic Rates

(in yen)

Kinds of survey	Criteria for charges	Rates
1. Hatch Survey	Up to 3 hatches Per hatch from the fourth hatch onward	21,330 5,980
2. Stowage Survey		
(1) General cargo and Bulk cargo	Up to 1,000 tons Per 100 tons or less in excess of 1,000 tons	22,660 1,580
(2) Special cargo	Up to 200 tons Per 10 tons or less in excess of 200 tons	22,660 364
(3) Dangerous cargo	Up to 200 tons Per 10 tons or less in excess of 200 tons	34,010 545
3. Draft Survey (Surveying cargo quantity on board based on ship's draft. D.W. or displacement Scale)	Surveying cargo tonnage Up to 10,000 tons, per ton ① 10,000 tons – 20,000 tons per ton in excess of 10,000 tons ② 20,000 tons – 30,000 tons, per ton in excess of 20,000 tons. ③ 30,000 tons – 40,000 tons, per ton in excess of 30,000 tons ④ 40,000 tons – 50,000 tons, per ton in excess of 40,000 tons ⑤ 50,000 tons – 100,000 tons, per ton in excess of 50,000 tons ⑥ Over 100,000 tons, per ton in excess of 100,000 tons (1) The above rates shall be calculated by the integration method. (2) Intermediate survey, if required per survey	10.89 9.15 6.12 3.41 1.74 0.19 0.00 15,510
4. Survey of cargo weight on Lighter, "Kihansen", etc. (without D.W.Scale)	Up to 100 tons, per vessel Per 10 tons or less in excess of 100 tons	16,540 725
5. Survey of the quantity of liquid in ship's tank or oil barge; Inspection of tank condition (1) Determination of quantity	① Ship's tank: per survey and per tank Mineral oil Animal or Vegetable oil, Chemicals, Liquefied gas Dangerous cargo When gauging several tanks at the same time, Reduced rate from the third tank onward Mineral oil Animal or Vegetable oil, Chemical, Liquefied gas Dangerous cargo ② Oil barge: Mineral oil, per KL Animal or Vegetable oil, Chemicals, per ton Dangerous cargo, per KL or per ton	6,710 12,050 33,340 4,670 8,430 23,360 46.70 100.30 246
(2) Cleaning Survey	① Ship's tank: per tank Mineral oil, Chemicals Animal or Vegetable oil When surveying several tanks at the same time, reduced rate from the second tank onward	17,430 24,250

	Mineral oil, Chemicals	12,050
	Animal or Vegetable oil	17,050
	② Oil barge: per tank	
	Mineral oil, Chemicals	8,340
	Animal or Vegetable oil	14,370
6. Survey of damaged cargo and cause thereof	0.7% or less of the total sound value of the cargo inspected.	

Notes:

1. In the case of Hatch Survey, if staying aboard for consecutive inspection is specially requested, the amount of basic rate shall be increased by 70%
2. In the case of Stowage Survey, if an extra inspection for the prevention of cargo movement is carried out, the amount of basic rate shall be increased by 50%.
3. In the case of Stowage Survey for ordinary cargo, if staying aboard for consecutive inspection is specially requested, the amount of basic rate shall be increased by 70%.

2. Additional Charges

Classification of Work	Description of Work	Additional Rate or Amount
(1) Half-night Work	Work done between 16:30 hrs and 21:30 hrs.	¥2,433 per hour
(2) Midnight Work	Work done between 21:30 hrs. and 05:00 hrs.	¥2,919 per hour
(3) Early Morning Work	Work done between 05:00hrs. and 08:30 hrs. However, in case of the work continuing from midnight, charge mentioned in (2) shall be applied.	¥2,433 per hour
(4) Work on Sundays and Holidays	Work done on Sunday and Holidays: a) Between 08:30 hrs. and 21:30 hrs. b) Between 21:30 hrs. and 08:30 hrs.	Within every 4 hrs. ¥9,726 Within every 4 hrs. ¥11,677
(5) Work in Rainy or Snowy weather	Work done in Rainy or Snowy Weather	10% increase of basic rate
(6) Work in Winter	Work done in Hokkaido between December 1 st and March 31 st of the following year	30% increase of basic rate

3. Minimum Charges

- (1) Minimum charge for Draft Survey shall be per case¥60,000
- (2) Minimum charge for Survey Liquid Quantity shall be as follows:
Ship's tank per case¥24,970
Oil barge per case¥20,960
However, in the case of dangerous cargo, per case¥49,900
- (3) Minimum charge for Cleaning Survey shall be per case¥24,020
- (4) Minimum charge for survey of damaged cargo and cause thereof shall be per case¥26,780

4. Discount Charges

If draft survey is applicable to the following case, discount charge shall be applied. The rate of discount shall be calculated according to the estimation method and charged per survey. The rate of the discount is up to 30%, which shall be applied to the minimum charge as well.

(1) Frequency Incentive

In case the draft survey is conducted more than 50 times per year, 5% of the basic rate shall be discounted.

(2) Volume Incentive

bulky goods (5 ton and over or 12 meters and over in length), deck cargo (those loaded on the weather deck of a vessel), and any other cargoes which require special means of loading transportation or storage.

3. The Term “Dangerous Cargo” Signifies the Following Cargoes

Explosives, compressed gases, corrosive substances, poisonous substances, radioactive substances, inflammable liquids, combustible substance, oxidizing substance, and hazardous substances.

4. Cleaning Survey

- (1) As for the vessel under 1,000 gross tons to navigate within the coastal and still waters areas, both port and starboard tanks are combinedly regarded as one tank.
- (2) The vessel used within one port area as a substitute for an oil barge and the vessel to navigate within the still waters area both regarded as oil barges.

5. Survey Item not specified in Tariff

As for the survey item not specified in this Basic Rate Tariff, the rate for another item of a similar type in this Tariff shall be applicable to it, and when any rate for such an item mentioned above is not found, then the rate for that unusual item shall be negotiated and fixed with the client.

6. Additional Charges

The manners in which additional charges shall be applicable are as follows.

- (1) Additional charge for half-night work

As for the work done between 16:30 hrs and 21:30 hrs., the prescribed additional charge shall be charged.

- (2) Additional charge for mid-night work

As for the work done between 21:30 hrs. and 05:00 hrs., the prescribed additional charge shall be charged.

- (3) Additional charge for early morning work

As for the work done between 05:00 hrs. and 08:30 hrs., the prescribed early morning additional charge shall be charged.

- (4) Additional charges for the work on Sundays and holidays

As for the work done on Sundays and holidays, the prescribed additional charge for work on Sundays and holidays shall be charged.

- (5) Additional charge for work in rainy or snowy weather

As for the work done in rainy or snowy weather, the prescribed additional charge for work in rainy or snowy weather shall be charged.

- (6) Additional charge for work in winter

As for the work done in Hokkaido between December 1st and March 31st of the following year, the prescribed additional charge for work in winter shall be charged.

7. Other Charges

(1) Waiting time charge

This charge shall be applicable to the case in which the surveyor has to wait for conducting survey, provided, however, that the above charge shall be applicable only when the surveyor is not responsible for that waiting.

(2) Charges for Issuance of Survey/Inspection Report

These charges shall be applicable to the issuance of a special Certificate and to the issuance of additional copies of Certificate beyond the usually-issuable copy number.

(3) These charges stipulated at (3) Prolonged Service of 5. Other Charges in I shall be applicable to the case in which the survey of hatch or cleaning continues for 2 days and over.

8. Addition of consumption tax amount due to the introduction of consumption tax

Consumption tax shall not be applied to tax-exempt transactions.

9. Calculation Method

(1) Definition of ton:

In terms of weight 1,000 kgs.

In terms of measurement 1.133 cubic meters

(2) When imposing two or more additional charges simultaneously for one survey service, the chargeable amount shall be the grand total of respective surcharges each of which shall be calculated by applying its stipulated factor to the Basic Rate individually.

(3) Addition of consumption tax amount due to the introduction of consumption tax

(a) 5% of the total charge shall be added as consumption tax amount.

(b) When the result of the above calculation includes the amount less than one yen, that amount shall be rounded up to one yen if it is ¥0.50 or over and shall be cut away if otherwise.

10. Actual Cost

(1) When a survey in trip is conducted in response to the applicant's request, the expenses incurred in the trip shall be borne by the applicant.

(2) In the case of survey of damaged cargo and cause thereof, if a related analysis is carried out, the actual expenses incurred thereby shall be charged.

(3) When a special kind of survey/inspection other than the usual ones is conducted in compliance with the applicant's request, the related expenses incurred thereby shall be charged on an actual cost basis.

11. Others

(1) When the work in rough weather, work outside the breakwater, midnight work, or early morning work is done the extra amount of charge shall be negotiated and fixed with the applicant apart from the Basic Rate.

(2) As for the matter not stipulated in this Tariff, it shall be dealt with according to the

agreement made between the parties concerned or the similar business practice within the legal limits of the related laws and regulations.

Miscellaneous Charges

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association Tel 03-3449-2611

General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association Tel 03-3552-1241

1. When a surveyor is dispatched to a specific place by the request of the applicant, the following extra charge shall be billed in addition to the Basic Rate:

(1) Traveling expenses

① Lodging expense (inclusive of daily allowance) ¥17,000 per capita per diem

② Transportation expense:

Rail way Green car fare

Fares for an express train, reserved seat, etc., if necessarily paid by the surveyor, shall be refunded by the applicant.

Vessel First Class Fare

Taxi, Bus, Sampan, etc. Actual expenses

(2) Dispatching Expenses

① Region where the Association's office is not located.

For the period required for the round trip ¥21,100 per capita per diem

However, for the days of departure and return, respectively ¥13,100 per capita

② Adjacent city, nearby specific region or one day's local trip ¥12,000 per capita per diem

2. Incidental Expenses

The incidental expenses necessitated for conducting a inspection e.g. a specially hired sampan charge shall be billed separately.

3. As for the samples of oils and/or chemicals retained a surcharge of ¥640 per sample shall be imposed in excess of the basic sampling charge to cover the disposition of the samples.

4. When it is impossible to apply those rates introduced in the tariff, a specific inspection charge shall be worked out separately on an actual cost basis, for instance, in an unusually inefficient survey case for which the surveyor is not responsible.

〔11〕 INSPECTION CHARGE

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association Tel 03-3449-2611

Effective July, 1991

1. Basic Rates

Item	Basis of imposition	Rate (in yen)
1. Inspection of hull, fittings and/or equipments	For hull, fittings and/or equipment, respectively Per ship of 3,000 gross tons or less68,000 Ship of over 3,000 gross tons, per 1,000 tons or lessAdditional 4,400 Complicated surveyAdditional 80% or less	
2. Survey of extent of, or cause of damage to hull, engines or equipments	For hull and engine, respectively: Per ship of 3,000 tons gross or less6,800 Ship of over 3,000 gross tons, per 1,000 tons or less beyond 3,000 tons Additional 4,400 Provided: (1) Damaged condition and cause-finding surveys Shall be chargeable for, respectively (2) Specifically serious or complicated damage survey:Additional 80% or less (3) If a damage survey is accompanied by assessment of repair cost, surcharge will be: Estimated repairing cost Surcharge ¥ 6,000,000 and under79,000 ¥10,000,000 and under 105,000 ¥20,000,000 and under 143,000 ¥30,000,000 and under 182,000 Over 30,000 220,000	
3. Investigation of damage to lighter and cause of shipwreck	Per Lighter68,000 Complicated surveyAdditional 80% or less	
4. Investigation of extent, or cause of damage to cargo gears, etc.	Per case68,000 Complicated surveyAdditional 80% or less	
5. Survey of bunkers, fuel or fresh water leftover on board	(1) Fuel or diesel oil: per tank9,300 (2) Fresh water : per tank6,300 Minimum charge per vessel47,000	
6. Inspection of shifting board erection	Up to 2 hatches34,500 Per hatch from the third hatch9,600 Complicated inspectionAdditional 80% or less	
7. Survey of Seaworthiness of vessel	Per vessel of 1,000 gross tons or less76,000 Additional, per 1,000 tons or less in excess of 1,000 tons9,000 Complicated inspectionAdditional 80% or less	
8. Inspection of voyage warranty	A. Per vessel to be towed of its overall length : (1) 50 meter and under97,000 (2) Over 50 meters but under 85 meters 139,000 (3) Over 85 meters but under 100 meters 185,000 (4) 100 meters and over 230,000 However, as to a dredger and a floating crane having their overall length of under 50 meters, the fee (2) shall be applied to them. B. Additional charge (1) Towing 150 nautical miles and over but under 500 nautical miles50% to be added (2) Towing 500 nautical miles and over but under 1,500 nautical miles100% to be added (3) Towing 1,500 nautical miles and over but under 2,500 nautical miles150% to be added (4) Towing 2,500 nautical miles and over but under 5,000 nautical miles200% to be added (5) Towing 5,000 nautical miles and over300% to be added C. Extra Charge As for specially complicated case, extra charge of 80% or less shall be added. D. Specific Objects (1) In case of a specific object, e.g., the power generating barges, oil rig, or floating dock. (2) In case of self-propelling voyage. In both cases, fees are negotiable with the applicant free from the charges shown above	

9. Survey at the time of ship's transfer, delivery or redelivery	Up to 3,000 gross tons 110,000 Up to 5,000 gross tons 141,000 Up to 7,500 gross tons 165,000 Up to 10,000 gross tons 184,000 Up to 12,500 gross tons 204,000 Up to 15,000 gross tons 225,000 Up to 17,500 gross tons 243,000 Up to 20,000 gross tons 263,000 Up to 25,000 gross tons 271,000 Up to 30,000 gross tons 293,000 Up to 35,000 gross tons 316,000 Up to 40,000 gross tons 339,000 Up to 45,000 gross tons 359,000 Up to 50,000 gross tons 383,000
	Over 50,000 gross : An increase of ¥24,000 per 10,000 tons or less, over the rate for 50,000 ton ship Extra Charges: (1) If gauging of the leftover of the ship's bunkers and /or fresh water is made simultaneously with the survey of the ship Up to a total of 5 tanks Gratis Each additional tank 3,500 (2) A damage survey accompanied by assessment of the repairing cost shall be subject to imposition of a surcharge referred to in item 2-(3) of this category.
10. Measurement of Ship's hold capacity	
(1) Space occupied by the cargo (per compartment)	100 tons or less 10,600 Each additional of 10 tons or less 160 (1) Reckoning of occupied space by destinations is subject to a 50% extra charge over the above rates.-
(2) Available space	(2) Minimum charge per vessel 65,000 Up to 4 compartments 65,000 Each additional compartment 5,000
11. Cleaning survey of Ship's hold	Up to 2 hatches 65,000 Each additional hatch 13,500 Complicated survey Additional 80% or less
12. Appraisal of ship	Per vessel: (a) Lighter 65,000 As for a special barge, however, the fee for the work boats (d) shall be applied. (b) "Kihansen" } 83,000 Lunch } Oil barge } (c) Ship: Up to 100 gross tons 108,000 Up to 3,000 gross tons 132,000 Up to 5,000 gross tons 201,000 Up to 10,000 gross tons 303,000 Up to 50,000 gross tons 350,000 Over 50,000 gross tons 415,000 (d) Vessels for work boats, such as Salvage boat, Fire boat, Quarantine, Tug boat, Pilot boat, Patrol boat, Water boat, etc. 185,000 (e) Fishing boat, Trawlers, etc. Up to 100 gross tons 127,000 Up to 1,000 gross tons 162,000 Over 1,000 gross tons 198,000 (f) Complicated case, applicable to (a) through (e) Additional 80% or less
13. Calibration of cargo carrying deadweight capacity; marking of deadweight tonnage (Lighter and "Kihansen")	(a) Up to 100 tons deadweight: Per Lighter 32,000 Per "Kihansen" 40,000 Additional charge per 10 tons or less in excess of 100 tons: Per Lighter 2,900 Per "Kihansen" 3,900 (b) 30% additional to each of the above charge, if both calibration and marking jobs are carried out simultaneously for the same vessel

16. Examination of cargo condition	
(1) Packing, external or internal	Up to 20 pkgs, (external and internal, respectively)10,200 Per 10 pkgs. or less in excess of 20 pkgs 1,340 Minimum charge61,000
(2) Contents	0.7% or less of the total sound value of the cargo inspected Minimum charge61,000
(3) Unprotected bulky cargo, heavy cargo, rolling stock and other vehicles (except automobiles for export), etc.	Per piece, package or unit 7,900 Minimum charge61,000
(4) Automobiles for export (per unit)	1 st to 100th 1,000 101 st to 300th600 301 st to 500290 501 st and above130 Minimum charge61,000
(5) Iron & steel products (steel bars, shapes, sheets, plates, coils, pipes, etc.)	Per ton 58 Minimum charge61,000
(6) Cargo not to be examined by units	Up to 100 tons16,600 Additional per 10 tons or less in excess of 100 tons350 Minimum charge61,000
Collateral conditions applicable to (1) through (6) of the above	In case particular labor or time is required, an extra within 80% of the basic charge will be added in accordance with its extent.
17. Inspection of quality of manufactures	0.7% or less of the total value of the manufacture(s) inspected. Minimum charge76,000
Collateral conditions	Analysis and other incidental charges shall be billed separately.
18. Inspection of law materials	
(1) Iron and steel scraps, pig iron(quality& specification)	Per ton 78 Minimum charge76,000
(2) Non-ferrous metal scrap (Idem)	Per ton297 Minimum charge76,000
(3) Timber (Idem)	Per ton326 Minimum charge76,000
(4) Other raw materials (Idem)	0.7% or less of the sound value of the goods inspected. Minimum charge76,000
Collateral conditions applicable to (1) through (4) of the above	Analysis and other incidental charges will be billed separately
19. Sampling	
(1) Iron ore, coal	Per ton Up to 49
(2) Non-ferrous minerals	Per ton Up to 112
(3) Non-metallic mineral	Per ton Up to 143
(4) Common metal	Per ton Up to 274
(5) Food stuffs, fee-stuffs, etc.	Per ton Up to 141 Minimum charge for (1) through (5)76,000
(6) Liquid cargo (including LPG, etc.)	(a) From Ship's tank: per tank11,100 In case of sampling from several tanks at the same time, reduced rate from three tanks Onward 7,600 Minimum charge per vessel32,000 (b) From oil barge: per tank 6,100 In case of sampling from several tanks at the same time, reduced rate from three tanks On ward 4,500 Minimum charge per vessel26,000 (c) From shore tank: per tank32,000 In case of sampling from several tanks at the same time, reduced rate from two tanks On ward17,600

	(d) From container(s): Per container400 Minimum charge34,000
(7) Consignment other than above items, (1) through (6) Collateral condition applicable to (1) through (7) of the above	0.7% or less of the sound value of the consignment from which the sample is taken/ Minimum charge7,6000 (a) Complicated sampling50% additional to the above (1)-(7) (b) Dangerous goods (liable to injure human body)Additional 200% or less (c) If analysis of sample is requested, analysis and incidental expenses together with an extra of ¥8,000 or less, to be charged.
20. Sealing or unsealing (1) Sealing	(a) Ship: per sealing860 (b) Lighter or "Kihansen": Per vessel14,000 In case of sealing several vessels at the same time, Reduced rate from three vessels On ward8,800 (c) Other cases: per sealing860 (d) Minimum charge for (a) through (c)40,000
(2) Unsealing	30% less than the rate for sealing, respectively Minimum charge35,000

2. Additional Charge

Classification	Description	Additional rate or Amount
(1) Half-night Work	Work done between 16:30 hrs and 21:30 hrs	¥2,433 per hour & per capita
(2) Midnight Work	Work done between 21:30 hrs and 05:00 hrs of the following day	¥2,919 per hour & per capita
(3) Early-morning work	Work done between 05:00 hrs and 08:30 hrs, which if continued from midnight shall be regarded as work under (2)	¥2,433 per hour & per capita
(4) Work on Sunday & Holiday	Work done on Sunday and Holidays: (a) Between 08:30 hrs and 21:30 hrs. (b) Between 21:30 hrs and 08:30 hrs.	(a) Every 4 hours or less ¥9,726 per capita (b) Every 4 hours or less ¥11,677 per capita
(5) Work in Rough Weather	Work done in stormy, rainy or snowy weather	10% increase of basic rate
(6) Work Outside Breakwater	Work done outside the breakwater or at a place of hard access	50% or less increase of basic rate
(7) Work in winter	Work done in Hokkaido between December 1 st and March 31 st of the following year	30% increase of basic rate

3. Other Charges

(1) Waiting time charge

In the case of the loss of time on survey due to waiting, detention or standing by, the following shall be charged.

Per 4 hours or less¥13,978

(2) Issuance of Survey/Inspection Report

① Up to 3 copies: original, duplicate and triplicate Gratis

Each additional copy¥426 per sheet

② Reissuance ¥856 per sheet

③ Signed copy50% increase of ① & ②

(3) Prolonged Service

If, and when the survey enumerated below takes more than a day, ¥21,807 per capita per diem, in addition to the basic rate, shall be charged to all the second and subsequent day services:

Category of survey:

- 1 :Inspection of hull, fittings and /or equipment
- 2 :Survey of the extent of, or cause of damage to the hull, engine or equipment
- 3 :Investigation of damage to lighter and cause of shipwreck
- 4 :Investigation of extent,or cause of damage to cargo gears, etc.
- 6 :Inspection of shifting board erection
- 7 :Survey of the seaworthiness of vessel
- 11 :Cleaning survey of ship's hold
- 15-(2) :Cleaning survey

4. Consumption Tax

- (1) Consumption tax shall be charged by 5% of the total amount (exclusive of the business deals which are exempt from taxation).
- (2) When the result of the above calculation includes the amount less than one yen, that amount shall be rounded up to one yen, if it is ¥0.50 or over and shall be cut away if otherwise.

II Provisions of Applications

1. Scope of Application

These inspection charges shall be applicable to the services other than the kinds of Survey mentioned in [10] Survey Charge.

2. The Term “Dangerous Cargo” Signifies the Following Cargoes

Explosives, compressed gases, corrosive substances, poisonous substances, radioactive substances, inflammable liquids, combustible substance, oxidizing substance, and hazardous substances.

3. Survey Item not specified in Tariff

As for the inspection item not specified in this Basic Rate Tariff, the rate for another item of a similar type in this Tariff shall be applicable to it, and when any rate for such an item mentioned above is not found, then the rate for that unusual item shall be negotiated and fixed with the client.

4. Additional Charges

The manner in which additional charges shall be applicable are as follows.

- (1) Additional charge for half-night work

As for the work done between 16:30 hrs and 21:30 hrs., the prescribed additional charge for half-night work shall be charged.

(2) Additional charge for mid-night work

As for the work done between 21:30 hrs and 05:00 hrs. in the following day, the prescribed additional charge for mid-night work shall be charged.

(3) Additional charge for early-morning work

As for the work done between 05:00hrs. and 08:30hrs. , the prescribed additional charge for early-morning work shall be charged.

(4) Additional charges for work on Sundays and holidays

As for the work done on Sundays and holidays, the prescribed additional charge for work on Sundays and holidays shall be charged.

(5) Additional charge for work in rough weather

As for the work done in stormy, rainy or snowy weather, the prescribed additional charge for work in rough weather shall be charged.

(6) Additional charge for work done outside the breakwater

As for the work done outside the breakwater, the additional charge for work outside the breakwater shall be based on the rules of stevedoring in each port.

(7) Additional charge for work in winter

As for the work done in Hokkaido between December 1st and March 31st of the following year, the prescribed additional charge for work in winter shall be charged.

5. Other Charges

(1) Waiting time charge

This charge shall be applicable to the case in which the inspector has to wait for conducting inspection, provided, however, that the above charge shall be applicable only when the inspector is not responsible for that waiting.

(2) Charges for Issuance of Survey/Inspection Report

These charges shall be applicable to the issuance of a special Certificate and to the issuance of additional copies of Certificate beyond the usually-issuable copy number.

(3) These charges stipulated at (3) Prolonged Service shall be applicable to the case in which the inspection of hull, fittings and/or equipments, survey of extent of, or cause of damage to hull, engines or equipments, investigation of damage to lighter, investigation of damage to cargo gears, etc., inspection of shifting board erection, survey of seaworthiness of vessel, cleaning survey of ship's hold, or tank cleaning survey continues for 2 days and over.

6. Addition of consumption tax amount due to the introduction of consumption tax

Consumption tax shall not be applied to tax-exempt transactions.

7. Calculation Method

(1) Definition of ton:

In terms of weight 1,000 kgs.

In terms of measurement 1.133 cubic meters

- (2) When imposing two or more additional charges simultaneously for one inspection service, the chargeable amount shall be the grand total of respective surcharges each of which shall be calculated by applying its stipulated factor to the basic rate individually.
- (3) Addition of consumption tax amount due to the introduction of consumption tax
 - (a) 5% of the total charge shall be added as consumption tax amount.
 - (b) When the result of the above calculation includes the amount less than one yen, that amount shall be rounded up to one yen, if it is ¥0.50 or over and shall be cut away if otherwise.

8. Actual Cost

- (1) When a inspection in trip is conducted in response to the applicant's request, the expenses incurred in the trip shall be borne by the applicant.
- (2) When a special kind of survey/inspection other than the usual ones is conducted in compliance with the applicant's request, the related expenses incurred thereby shall be charged on an actual cost basis.

9. Others

As for the matter not stipulated in this Tariff, it shall be dealt with according to the agreement made between the parties concerned or the similar business practice within the legal limits of the related laws and regulations.

Miscellaneous Charges

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association Tel 03-3449-2611

General Incorporated Foundation Japan Marine Surveyors and Sworn Measurers' Association Tel 03-3552-1241

1. When a surveyor is dispatched to a specific place by the request of the applicant, the following extra charge shall be billed in addition to the Basic Rate:

(1) Traveling expenses

① Lodging expense (inclusive of daily allowance) ¥17,000 per capita per diem

② Transportation expense:

Rail way Green car fare

Fares for an express train, reserved seat, etc., if necessarily paid by the surveyor, shall be refunded by the applicant.

Vessel First Class Fare

Taxi, Bus, Sampan, etc. Actual expenses

(2) Dispatching Expenses

① Region where the Association's office is not located.

For the period required for the round trip ¥21,100 per capita per diem

However, for the days of departure and return, respectively ¥13,100 per capita

② Adjacent city, nearby specific region or one day's local trip ¥12,000 per capita per diem

2. Incidental Expenses

The incidental expenses necessitated for conducting a inspection e.g. a specially hired sampan charge shall be billed separately.

3. As for the samples of oils and/or chemicals retained a surcharge of ¥640 per sample shall be imposed in excess of the basic sampling charge to cover the disposition of the samples.

4. When it is impossible to apply those rates introduced in the tariff, a specific inspection charge shall be worked out separately on an actual cost basis, for instance, in an unusually inefficient survey case for which the surveyor is not responsible.

[12] DANGEROUS CARGO INSPECTION CHARGES

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association

Tel 03-3449-2818

1 Charges for inspection of dangerous cargo on board

(1) Basic Rates

(a) When containerized

Per one container ¥8,100

(b) Cases other than (a)

Up to 100 dangerous cargos ¥16,300

Per 10 cargos or less in excess of 100 cargoes .. ¥330 to be added

However, the net weight of a cargo (in case of radioactive substances, the weight includes its container or packing) per 100kg or less in excess of 50kg shall be calculated to the number plus one.

(2) Additional Charges

(a) Overtime

From 16:30 hrs. to 21:30 hrs.

One person per hour or any fraction thereof ¥2,100

From 21:30 hrs. to 5:00 hrs. next morning

One person per hour or any fraction thereof ¥3,150

From 5:00 hrs. to 8:30 hrs.

One person per hour or any fraction thereof ¥2,100

(b) Sunday and Holidays

Sundays, national holidays and public holidays based on the Act on National Holidays (include Dec. 30, 31, Jan 2 and Jan.3)

From 8:30 hrs. to 21:30 hrs.

One person per hour or any fraction thereof ¥2,100

From 21:30 hrs. to 8:30 hrs.

One person per hour or any fraction thereof ¥3,150

(3) Discount Rates

If the application is lodged by two days prior to an inspection day, ¥800 shall be deducted from the basic rates shown in (1).

(4) Other Charges

(a) Charge for Issuance of Inspection Certificate and others

1) Charges for Issuance of Inspection Certificate

Up to 3 copies Gratis

Each additional copy ¥430

2) Charge for English Certificate

Up to three copies Gratis

Each additional copy ¥430

(b) Charge for Issuance of Financial Statements and others

1) Each certified or abstract copy¥300

2) In case of an electromagnetic means¥300/one time

(c) Waiting Time Charge

The following charge shall be applicable to the case in which the inspector has to wait for conducting inspection over a designated time.

One inspector per hour or per any fraction thereof ¥3,250

(5) Incidental expenses

(a) Daily Allowance

Daily allowance in case of day trip in excess of 80 km one way by land (40km by water)¥2,200

(b) Lodging accommodation expense

One night¥14,000

(c) Transportation expense

Train fares, boat fares and vehicle fares shall be charged the actual expenses.

(d) Others

When more than one application is filed in the same area, the applicant's share of incidental expenses shall be discussed separately.

2 Charges for inspection of dangerous cargo in container

(1) Basic Rates

The number of dangerous cargos in the container is

(a) Up to 100 cargos per container¥19,500

(b) In case of over 100 cargos, ¥330 shall be added to the amount of the above (1) per 10 cargos or less up to ¥39,300 at maximum.

However, the net weight of a cargo (in case of radioactive substances, the weight includes its container or packing) per 100kg or less in excess of 50kg shall be calculated to the number plus one.

(2) Additional Charges

(a) Overtime

From 16:30 hrs. to 21:30 hrs.

One person per hour or any fraction thereof¥2,100

From 21:30 hrs. to 5 hrs. next morning.

One person per hour or any fraction thereof¥3,150

From 5 hrs. to 8:30 hrs.

One person per hour or any fraction thereof¥2,100

(b) Sunday and Holidays

Sundays, national holidays and public holidays based on the At on National Holidays (include Dec. 30, 31, Jan 2 and Jan.3)

From 8:30 hrs. to 21:30 hrs.

One person per hour or any fraction thereof¥2,100

From 21:30 hrs. to 8:30 hrs.

One person per hour or any fraction thereof¥3,150

(3) Discount Rates

- (a) If the application is lodged by online application system, ¥2,000 shall be deducted from the basic rate.
- (b) If the application is lodged by two days prior to an inspection day, ¥800 shall be deducted from the basic rate.
- (c) For the same applicant and also at the same inspection place:
 - 1) if the inspection is carried out for multiple containers within less than 4 hours, ¥1,500 shall be deducted from the basic rate
 - 2) if the inspection of over 50 containers is monthly expected, ¥1,500 shall be deducted from the basic rate.
 - 3) if the inspection of over 100 containers is monthly expected, ¥2,800 shall be deducted from the basic rateHowever, regarding 1) to 3), any one of the discount rates shall be used, and if in case of 2) or 3) and the number of container inspection is less than the estimated number, the discount of the basic rate shall not be applied.

(4) Others

- (a) Charges for Issuance of Inspection Certificate and others.
 - 1) Charges for Issuance of Inspection Certificate
 - Up to three containers Gratis
 - Each additional copy¥430
 - 2) Charges for Reissuance of Inspection Certificate
 - Each copy¥430
 - 3) Charges for English Certificate
 - Up to three containers Gratis
 - Each additional copy¥430
- (b) Charges for Issuance of Financial Statements and others
 - Each certified or abstract copy¥300
 - In case of an electromagnetic means ¥300/one time

(5) Incidental Expenses

- (a) Daily allowance
 - Daily allowance in case of day trip in excess of 80 km one way by land (40km by water)¥2,200
- (b) Lodging accommodation expense
 - One night¥14,000
- (c) Transportation expense
 - Train fares, boat fares and vehicle fares shall be charged the actual expenses.
- (d) Others
 - When more than one application is filed in the same area, the share of the expenses shall be discussed separately.

[13] CHEMICAL ANALYSIS CHARGES

General Incorporated Foundation New Japan Surveyors and Sworn Measurers' Association
03-3449-2611
Effective July 6, 1991

Regarding Chemical Analysis Charges

1. The chemical analysis charges listed in this table denote the normal charge rates(basic rate), in case that analysis is conducted in the Yokohama Analysis Center.

If the analysis is conducted in the places other than the Yokohama Analysis Center, additional charge mentioned below shall be billed separately.

Incidental Expenses for Analysis

(Expenses of packing, transportation of carrying & returning the containers of testing materials, storage & disposal of testing materials after storing period, etc.)

Liquids	¥6,600 per sample per case
Solids	¥3,000 per sample per case

(Note) Additional ¥1,000 to ¥2,200 per sample per case shall be charged separately as the expenses of storage and disposal of testing material, even if the case is directly brought to and analysis is conducted in the Yokohama Analysis Center.

All charge shall be based on the actual analysis and testing.

However, in the case one of the analysis or testing is given by calculation, even if the analysis or testing is conducted for two samples, only the other one shall be charged principally.

2. Preparatory Treatment Charge

When analysis or testing necessitates testing sample preparation and preparatory treatment, those charges shall be billed separately.(e.g. testing sample preparation such as pulverizing, cutting and grinding, and preparatory treatment such as ash preconditioning, extracting, concentrating and separating)

- (1) typically preparatory treatment¥6,100 to ¥25,000 per testing
- (2) preparatory treatment required special techniques and methods
(large quantity or special ones) Additional ¥25,000 per half day(within 4 hrs.)

However in cases of easy preparatory treatment or testing of preconditioned samples, these preparatory treatment charge shall not be billed separately.

1. Additional Charge

- (1) In case of analysis and testing hazardous or poisonous materials
Additional 100% of the basic rate shall be charged separately.

Checking the contents of the request, additional charge shall be billed for the analysis which

might be dangerous during analysis operation or difficult with large poisonous gas emissions.

(2) Overtime Analysis

Even when analysis and testing is conducted in other than working time, no charge shall be applied, if the request of analysis and testing is done according to the regular methods.

However, in case of urgent analysis such as designating the analysis day, additional overtime charge shall be billed besides the additional charge based on the classification of analysis application (according to another analysis and testing rate).

4. Attendance of Inspector

In case that attendance of inspector is required by the client in the places other than our usual analysis center and certificates is issued, ¥48,000 shall be billed separately, no matter how large or small the quantity of the analysis concerned is.

5. Analysis Charge on Travel (including analysis aboard)

When the inspector is dispatched to the ship and required to conduct analysis aboard by the request of the client, additional 100% of analysis rate on the samples necessitated for analysis and testing shall be billed.

Also, ¥45,000 per day shall be additionally charged as technical fee, in addition to the traveling expenses (transportation & lodging costs) based on the analysis & testing rate.

6. Incidental Expenses

When expensive chemical or reagents must be used, certain actual cost shall be added to these basic rates hereof.

Also, when pictures or drawings are attached for analysis or testing result, the actual cost shall be charged. When other incidental expenses, such as travelling expenses and transportation expenses are coming up as the result of dispatching the person to receive the analysis, separate charges shall be billed according to the analysis and testing rates table.

7. Certificates Issuance

Chemical analysis certificates are issued at no charge up to three copies, provided that when more than three copies are required, ¥426 shall be billed per copy and when reissuing of certificate is required, ¥856 per copy shall be billed as a certificate issuing fee.

Signed copy shall be charged 50% additional to the above mentioned copy rates.

8. Consumption Tax

(1) Consumption tax amount to be added

① 5% of total amount of fees and charges

② No consumption tax amount shall be added to the "tax-exempted fees and charges."

(2) Fee calculation to include consumption tax

- ① Total amount of fees and charges shall be multiplied by 5%.
- ② When the result of the above calculation includes the amount less than one yen, that amount shall be rounded to one yen if it is ¥0.50 or over and shall be cut away if otherwise.

Classification of Analysis Application

1. Usual Basic rate
2. Urgent Additional 50% of the basic rate
3. Rush(Urgent and/or designating the analysis day) Additional 100% of the basic

Basic Rate

1 Ores, Metals and Other inorganic substances

A Qualitative analysis	
General Method	
• • per ingredient	¥8,000 or over
Analysis by fluorescent X-ray	
• • per sample	¥30,000 or over
B Quantitative analysis	
General element	
• • per ingredient	¥9,400
Special element	
• • per ingredient	¥14,000 to ¥35,000
C Ordinary items	
Brightness	¥5,200
Ignition Loss	¥6,000
Insoluble matter	¥5,500
Loss on drying	¥5,500
Moisture	¥5,500
Organic matter	¥8,000
pH •	¥2,500 or over
Specific gravity	¥7,000
"	¥4,500
Sieve test	
up to 3 sieve test	¥10,000
per one sieve test more than 4	¥2,700
" (in water) per one sieve	¥7,700 or over
Turbidity of NaOH	¥9,000

2 Coal, Cokes, Graphite, etc.

Ash	¥7,500
Calorific value	¥9,400
Crucible Swelling number	¥9,000
Fixed carbon	¥21,000
Calculation by Inherent moisture, Ash & Volatile matter	
Fusion temperature of ash※	
a. Oxidizing atmosphere	¥28,000
b. Reducing atmosphere	¥40,000
Elementary analysis	
Carbon	¥24,000
Hydrogen	¥24,000
Nitrogen	¥11,000

Hardgrove grindability Index	¥22,000
Heavy Metals※ (or composition of ash)	¥9,400
Moisture for each element mentioned below	¥5,500
Adherent moisture/Inherent moisture /Total moisture	
Non combustible sulfur	¥16,500
Preparation of Sample	¥6,100 to ¥50,000
<Crushing, Reduction, etc.>	
Preparation of Ash	
Coal	¥8,500 or over
Oil Cokes	¥26,000 or over
Salt attached	¥8,700
Sieve test • • • up to three	¥10,000
Per sieve more than 4 test	¥ 2,700
Total phosphorus※	¥8,700
Total Sulfur	¥8,700
Volatile matter	¥8,000
※ On these analysis, ash preconditioning charges shall be additionally billed.	

3 Fertilizers

Nitrogen, N	
Quantitative:	
for each element mentioned below	¥11,000
Ammonia nitrogen / Biuret nitrogen /	
Cyanamide nitrogen / Nitrate nitrogen /	
Total nitrogen / Urea nitrogen	
Phosphoric acid, P ₂ O ₂	
Quantitative	
Available or citrate-soluble phosphoric acid	
.....	¥16,000
Citricacid-soluble phosphoric acid	
.....	¥9,400
Total phosphoric acid	¥9,400
Water-soluble phosphoric acid	¥9,400
Potassium, K ₂ O	
Quantitative for each item mentioned below	
.....	¥9,400
Citric-soluble potassium / Total potassium /	
Water-soluble potassium	
Oil content(by Diethylether Extracts)	¥6,200
Ordinary items	

Carbon Dioxide	¥9,400	
Chlorides	¥9,400	
Insoluble matter with hydrochloric acid	¥6,200	
Magnesium, Mg	¥9,400	
Moisture	without volatile matter	¥5,500
	with volatile matter	¥23,500
pH	¥2,500 or over	
Sodium, Na	¥9,400	

4 Petroleum oils, Petroleum products and Liquefied petroleum gases

Sample necessitated preparatory treatment	
Sample requiring heating meltdown	
• • • per sample	¥4,000
Sample requiring heating dehydration	
• • per sample	¥4,500
Absorbance by centrifuge	¥8,000
Acid number or acid value	¥5,500
Acid wash color	¥5,000
Aniline point	¥6,000
API gravity	¥3,500
Appearance	¥2,000
Aromatics in Gasoline	¥55,000
Ash	¥6,000
Asphaltenes	¥10,000
Barium, Ba	¥9,400
Base number	¥5,500
Boiling point	¥7,000
Bromine number	¥9,000
Calcium, Ca	¥9,400
Calorific value	
Gross calorific value	¥9,400
Lower calorific value	¥26,900
Carbonizable substance	¥5,000
Carbon residue	¥5,500
Carbon residue on 10% distillation residue	¥12,500
Carbonyl compounds	¥9,400
Cetane index (gravity & distilling test)	¥10,500
Chlorides	
(In case that extraction work is extremely difficult, ¥4,000 shall be additionally charged.)	
Qualitative	¥5,500
Quantitative	¥9,400
By Oxy-hydrogen combustion	¥14,000
By Mirocoulometry	¥15,000
Cloud point	¥5,300
Cold filter Plugging Point(CFPP)	¥9,400
Color	
ASTM color	¥4,000
Union color	¥4,000
Saybolt color	¥4,000
Visual	¥2,000
Compatibility	¥9,300
Copper corrosion test	¥5,300
Density	(Specific Gravity)
Diesel index	
(Gravity & aniline point)	¥9,500

Distillation range	¥7,000
Doctor test	¥4,300
Dry sludge	(sludge)
Existent gum	¥10,000
Fire point	¥4,500 or over
Flash point	
by PMCC	¥5,000
by TCC(10°C and over)	¥5,000
(under 10°C)	¥10,000
by COC	¥5,000
(Note) For samples requiring dehydration because of water involved, ¥3,200 to ¥6,500 shall be charged additionally as the expense of preconditioning of samples.	
Freezing point	¥5,900
Freezing point of aviation fuel	¥7,100
Gasoline miscibility	¥5,500
Heavy Metals	¥9,400
1) In case of V, Ni, Al, Fe, Si, Na, ¥6,100 shall be charged per element as ash preconditioning cost.	
2) In case of the element under 1 ppm	
	¥13,500 or over
Hydrocarbon types in petroleum products by fluorescent indicator adsorption	
¥33,000	
1) Treatment of Depentane	
¥6,500	
2) Under C5 by gas chromatography	
¥22,000	
For samples treating depentane, expenses in above1) & 2) shall be additionally charged beside the FIA charge.	
Induction period	¥19,500
Inorganic chloride	
Qualitative	¥5,500
Quantitative	¥9,400
Insoluble matter	
In benzene	¥7,500
In naphtha	¥7,500
In heptane	¥7,500
In pentane	¥7,500
In toluene	¥7,500
In Quinoline	¥7,500
Iodine number	¥9,000
Iron	
Qualitative	¥5,500
Quantitative	¥9,400
Luminometer Number	¥16,200
Magnesium, Mg	¥9,400
Melting point	¥5,500
Mercaptane sulphur	¥10,000
Mixed aniline point	¥6,000
Moisture	(Water)
Natrium, Na	¥9,400
Neutralization number	¥5,500
Nitrogen, (N)	
By Instrumental analysis	¥14,000
By other method	¥11,000
Non-volatile matters	¥6,300
Odor	¥2,000
Paraffins	¥9,000

Paraffins in Crude Oil	¥15,000
Penetration test	¥7,300
Peroxides	¥7,000
PH	¥2,500 or over
PONA analysis	¥76,500
In case of no treatment of depentane	¥45,700
Pour point	¥5,900
Potential Gum	¥19,400
Precipitation number	¥6,600
Purity of LPG, Butadiene etc	¥16,000 or over
Reaction	¥2,700
Octane Number	¥18,000 to ¥22,000
Oxidation stability of Aviation fuels (potential residue Method)	¥44,000
Salt	
Qualitative	¥5,500
Quantitative	¥9,400
Saponification value	¥9,000
Sediment by extraction	¥10,000
Shell Hot Filtration	
Existant	¥10,000
Potential	¥10,000
Silver corrosion test	¥6,600
Sludge	
In coal tar	¥8,000
In marine diesel oil	¥6,600
In pitch	¥8,000
In crude oil	¥6,600
Smoke point	¥6,600
Sodium, Na	¥9,400
Specific gravity	
By hydrometer	¥3,500
By Hubbard-type pycnometer	¥7,000
Strong acid number	¥5,500
Strong base number	¥5,500
Sulfated ash	¥6,000
Sulphur, S	¥9,400
Thermal Stability	¥33,000
Total acid number	¥5,500 to ¥6,500
Total base number	¥5,500 to ¥6,500
Total sulfur, Total chloride	
By oxy-hydrogen combustion method	¥14,000
By Air method (JIS)	¥9,400
By microculometry	¥15,000
By X-ray fluorescence spectrometry	¥9,400
Other methods	¥9,400
Vacuum distillation	¥27,000
Vapour pressure	¥10,000
Viscosity	¥5,500
Viscosity at -20°C	¥9,400
Viscosity index	¥11,000
Water	
Centrifuge method	¥5,500
Distillation method	¥5,500
Karl-Fischer reagent method	¥5,500
Water and Sediment	¥6,600
Xylene equivalent	¥9,400
Zinc, Zn	¥9,400

5 Organic chemicals and Solvents

Organic chemicals of Solid State in room temp	
Requiring heating meltdown per sample	¥4,000
Acetone in Methanol	¥7,300
Acetone and Aldehyde in Metanol	¥7,300
Acid acceptance	¥5,000
Acid value or Acid number	¥4,500
Acid value after heating	¥10,500
Acid wash color	
JIS method	¥5,000
ASTM method	¥5,000
Other method	¥7,000
Acidity	¥4,500
Acidity after accelerated oxidation	
after heating for 24 hrs.	¥12,000
after heating for 48 hrs	¥24,000
Acidity after heating	¥10,500
Activity point	¥4,500
Alcoholic impurities in Acetone	¥5,900
Aldehydes	¥7,300
Alkalinity	¥4,500
Amine value	¥8,000
Ammonia	
Qualitative	¥5,500
Quantitative	¥9,400
Ammonia silver nitrate test	¥5,500
Ammonium chloride in E.D.C.	¥20,000
Aniline point	¥6,000
APHA color or Platinum cobalt scale	¥4,000
Apparent equivalent weight	¥4,600
Appearance	¥2,000
Aromatic content by FIA	¥33,000
Arsenic, As	¥9,400 or over
Ash	¥6,000
Assay of TDI	¥16,200
Boiling point	¥7,000
Boiling range	¥7,000
Bromine number or Bromine index	¥9,000
Carbon disulfide in Benzene	¥14,000
Carbonizable substance	¥5,000
Carbonyl content	¥9,000
Chlorides	
Qualitative	¥5,500
Quantitative	¥9,400
By Oxy-hydrogen combustion	¥14,000
By Microculometry	¥15,000
By Ion chromatography	¥15,000
Clarity of Solution & reaction	¥2,700
Cloud point	¥5,300
Color	
APHA or platinum cobalt scale	¥4,000
After heating (within 4 hours after heating)	¥9,000
After heating (more than 4 hours after heating)	¥12,000
After heating with HCL	¥9,000
After heating with NaOH	¥9,000

After treatment of active carbon	¥9,000	Mixed aniline point	¥6,000
Before heating	¥4,000	Molten color	¥6,000 or over
Concentration by distillation	¥11,000	Neutrality test	¥2,700
Hardy color	¥4,000	Neutralization number	¥4,500
Harzen color	¥4,000	Nickel, Ni	¥9,400
Gardner color	¥4,000	Non-volatile matters	¥6,300
Lovibond color	¥4,000	Odor	¥2,000
Potassium dichromate color	¥4,000	Paraffins in BTX	¥9,000
Color stability (same as Heat stability)		Permanganate test	¥5,500
Concentration in Lignosite	¥10,600	Peroxides	¥7,000
Copper, Cu	¥9,400	PH	¥2,500 or over
Copper corrosion test	¥5,300	Phenols on styrene	¥8,000
Controlled polymerization rate	¥4,500	Phosphoric acid test	¥6,700
Diene value	¥10,800	Polymer	¥8,500
Distillation range	¥7,000	Purity	
Doctor test	¥4,300	By gas chromatography	¥14,000 or over
Ester number or Ester value	¥9,000	By Other Method	¥9,400
Flash point (10°C & over)	¥5,000	Reaction	¥2,700
(under 10°C)	¥10,000	Refractive Index	¥4,300
Free acid	¥4,500	Residual odor	¥2,000
Free halogens		Residue on evaporation	¥6,000
Qualitative	¥5,500	Residue on ignition	¥6,000
Quantitative	¥9,400	Saybolt color	¥4,000
Freezing point(10°C & over)	¥5,900	Salt	
(under 10°C)	¥8,200	Qualitative	¥5,500
Gasoline miscibility	¥5,500	Quantitative	¥9,400
Gas chromatography		Saponification number	¥9,000
Qualitative per sample(only submitted chart)		Solidifying point (10°C & over)	¥5,900
.....	¥13,000	(under 10°C)	¥8,200
Quantitative per ingredient per column		Solubility test	
.....	¥14,000 or over	per sample per test by mutual solubility	¥2,600
per every additional ingredient	¥2,500	Solution color	¥6,400
Glycerin	¥4,100	Specific gravity	
Heavy metals		By hydrometer	¥3,500
Qualitative	¥5,500	By pycnometer	¥7,000
Quantitative	¥9,400 or over	Sulfur compounds	
Preparation of Sample ※	¥6,100 to ¥25,000	Qualitative	¥5,500
※ In case of analysis of heavy metals involved in		Quantitative	¥9,400
organic matter, preparation expense shall be		Sulfuric acid test	
additionally charged within the rate mentioned		By Titration	¥7,000
above.		Suspended matter (Visual)	¥2,000
Hydrogen sulfide test	¥5,500	S.G.correction factor per item	¥42,000
Hydrolyzable chlorine	¥9,400	Taste	¥2,000
Hydroxyl number, OH group	¥9,000	Thiophene in B.T.X	¥9,400
Ignition loss	¥6,000	Thiitolene test	¥5,500
Inhibitor	¥8,500	Titration value	¥4,500
Insoluble matter in benzene	¥7,500	Total amine value	¥8,000
Insoluble matter in petroleum ether	¥7,500	Total sulfur	
Iodine number	¥9,000	By Oxy-Hydrogen combustion	¥14,000
Iodoform producing substances in Methanol	¥7,300	By Microcoulometry	¥15,000
Ionol	¥8,000	By Raney Nickel Method	¥14,000
Iron, Fe	¥9,400	Transparency	
Lead, Pb	¥9,400	By visual (visual)	¥2,000
Loss on drying	¥6,000	By Ultraviolet	¥9,700
Loss on heating	¥6,000	Ultraviolet after heating	¥13,000
Loss on ignition	¥6,000	Unsaponifiable matter	¥9,000
Melting point	¥5,500	Unsaturation	¥10,000
Miscibility with gasoline	¥5,500	Vapour pressure	¥10,000
Miscibility with water	¥2,600	Viscosity	¥5,500

Water	
Amine group by Karl-Fischer	¥7,000
Distillation method	¥5,500
Drying method	¥5,500
Karl-Fischer reagent method	¥5,500
Water solubility	¥2,600
Zinc, Zn	¥9,400

6 Sugars and Molasses

Arsenic, As	¥9,400 or over
Ash	¥5,500
Baume	¥3,600
Brix	¥3,600
Ref-Brix	¥4,000
Calcium, Ca	¥9,400
Chlorides	
Qualitative	¥5,500
Quantitative	¥9,400
Density (by pycnodystostosis meter)	¥7,000
Direct reducing sugar	¥10,000
Heavy metals	
Qualitative	¥5,500
Quantitative	¥9,400 or over
Indirect reducing sugar	¥22,000
Iron, Fe	¥9,400
Lead, Pb	¥9,400
Moisture	¥5,500
Moisture in molasses	¥8,700
Nickel, Ni	¥9,400
Odor	¥2,000
PH	¥2,500 or over
Polarization	¥7,000
Polarization of molasses	¥7,000
Polarization of Sample for metals and its salts	¥6,100 to ¥25,000
Refractive index	¥4,300
Salt	
Qualitative	¥5,500
Quantitative	¥9,400
Specific gravity	
Hydrometer method	¥3,500
Pycnometer method	¥7,000
Sulfates	¥9,400
Sucrose(reducing sugar & total sugar)	¥22,000
Total solids	¥5,500
Total sugar as reducing sugar	¥12,000
Viscosity	¥5,500

7 Foodstuffs and Feed stuffs

Acetone and Aldehyde	¥7,300
Acid number of extracted oils	¥9,600
Acidity or alkalinity of ethanol	¥4,500
Aldehydes and other reducing matter in ethanol	
Qualitative	¥7,300
Aldehydes and ketones	
Qualitative	¥7,300
Ammonia nitrogen	¥11,000
Appearance	¥2,000

Arsenic, As	¥9,400 or over
Ash	¥5,500
Calcium, Ca	¥9,400
Carbonyl number	¥9,000
Chlorides	
Qualitative	¥5,500
Quantitative	¥9,400
Chromium, Cr	¥9,400
Clarity of solution in ethanol	¥2,700
Crude fat	¥5,500
Crude fiber	¥6,100
Crude protein	¥11,000
Extracts in spirits of alcoholic drinks	¥6,000
Foreign matter in grains	¥4,400 or over
Formaldehyde	¥7,300
Formalin	¥7,300
Furfural (limit testing)	¥7,300
Fusel oil (limit testing)	¥7,300
Heavy metals	
Qualitative per element	¥5,500
Quantitative per element	¥9,400
(Note) For testings of sample difficult to decompose, preparatory charge shall be additionally billed within the rate of ¥6,100to ¥25,000.	
Moisture	
By drying method	¥5,500
By ISO method	¥11,000
By Karl-Fischer reagent method	¥5,500
Non-volatile Residue	¥6,300
Oxiran oxygen	¥10,600
Phosphorus, P	¥9,400
Potassium, K	¥9,400
Preparation of sample for metals and its salts	¥6,100~25,000
Salt	¥9,400
Sieve test in water per sieve	¥8,100
Sodium, Na	¥9,400
Solubility test per testing	¥2,600
Sorting test of grains (excluding difficult sorting)	
Admixture per testing	¥4,400 or over
Damaged per testing	¥4,400 or over
Discolored per testing	¥4,400 or over
Split per testing	¥4,400 or over
Unripe per testing	¥4,400 or over
Starch	¥9,000
Total nitrogen	¥14,000
Urea	¥9,400
Volatile basic nitrogen	¥14,000

8 Fats and Oilseed products

Appearance	¥2,000
Acid value	¥4,500
Ash	¥5,500
Cloud point	¥5,300
Color	
APHA color	¥4,000
Gardner color	¥4,000
Lovibond color	¥4,000
Composition of fatty acids	¥25,000 or over

Density (by pycnodystosis meter)	¥7,000
Ester value	¥9,000
Flash point	¥5,000 or over
Free fatty acids	¥4,500
Insoluble impurity	¥5,500
Iodine value	¥9,000
Melting point	¥5,500
Neutralization value	¥4,500
Reaction	¥2,700
Refractive index	¥4,300
Saponification value	¥9,000
Solidifying point	¥5,900
Specific gravity	
Hydrometer method	¥3,500
Pycnometer method	¥7,000
Unsaponifiable matter	¥9,000
Viscosity	¥5,500 or over
Water	
Karl-Fischer reagent method	¥5,500
Drying method	¥5,500

9 Resins

APHA or Pt-Co Color	¥4,000
Bromine Content	¥9,400
Clarity	¥2,700
Epoxy equivalent weight	¥7,700
Fish eye screening test	¥8,900
Gardner color	¥4,000
Hydrolyzable chlorine	¥9,400
1,2 Hydroxyl content	¥8,200
Reactivity	¥9,000
Specific Gravity (by gravity bin)	¥7,000
Viscosity	¥5,500 or over
Volatility	¥6,000
Water (by Karl-Fischer method)	¥5,500

10 Chemical investigation of damaged cargoes and Particular analysis

A Study and Investigation fee

For period to investigate the cause of damage, study of the material books or development necessitated to find out the method of analysis, ¥45,000 per day shall be charged. However, the total expenses shall be decided after negotiation with the client.

B Instrumental analysis

- (1) By X-ray Fluorescence Spectrometry
per testing
- (2) By Gas chromatography
Qualitative per sample
- Quantitative per column per element
.....
- By Gas Chromatography with Capillary Column
.....
- (3) By Liquid chromatography
- (4) By Infrared Spectrophotometry
Qualitative { per sample
- per element

- Quantitative (in case of TDI)
- (5) By Ultraviolet Spectrophotometry
Qualitative (comparison with expected material, set of chart)
- Quantitative(element expected by special wavelength) per element
- (6) By Atomic Absorption Spectroscopy
Quantitative per element
- (7) By Inducively Coupled plasma(ICP)Analysis
Qualitative
- Quantitative
- (8) Elementary analysis (C,H,N)
- (9) By Thin Layer chromatography
- (10) Gas chromatograph mass spectrometry per measurement per element
- Every additional element
(under the same condition)
- Analysis per element
- (11) By Ion Chromatography
- (12) Scanning Electron Microscope
Photographing (1 view)
- Every additional viewt
- (13) Electron Probe Micro Analyzer
Quantitative (half quantitative)
- (Note) In case of instrumental analysis, preparatory expense shall be additionally charged for samples necessitated the preparatory treatment.

- C Microscopical examination
- Every additional view

D Corrosion test

- Dunk test within 5 days per test
- Dunk test within 1 month per test
- Dunk test for more than 1 month
per 1 month excess
- Hardness test by coating hardness tester
per case per testing
- Cross cut test

E Special test

- (1) Wearing-Out test about Talcs
By Japanese filled container KK method
.....
- (2) Other tests