

## 鉄鋼標準試料委員会ニュース

No. 39

## I 最近入庫試料

|           |                         |                |
|-----------|-------------------------|----------------|
| 化学分析用 新製品 | 113-1 (鋳物用銑)            | ¥ 6000 (150 g) |
|           | 243-1 (いおう専用鋼)          | ¥ 5000 (150 g) |
| 更新品       | 111-8 (鋳物用銑)            | ¥ 6000 (150 g) |
|           | 168-3~175-3 (微量元素分析専用鋼) | ¥ 7000 (100 g) |

## II 入庫試料分析値一覧

| ISS No.         | 元素     | 標準値 (%) | 平均値 (%)  | $\sigma \bar{x}$ | 分析所数 | JSS No.       | 元素            | 標準値 (%)  | 平均値 (%)  | $\sigma \bar{x}$ | 分析所数    |    |
|-----------------|--------|---------|----------|------------------|------|---------------|---------------|----------|----------|------------------|---------|----|
| 111-8<br>鋳物用銑   | C      | 4.06    | 4.060    | 0.0441           | 10   | 170-3<br>微量元素 | C             | 0.040    | 0.0404   | 0.00089          | 11      |    |
|                 | Si     | 2.06    | 2.064    | 0.0090           | 10   |               | Ni            | 0.072    | 0.0722   | 0.00098          | 11      |    |
|                 | Mn     | 0.46    | 0.465    | 0.0082           | 10   |               | Cr            | 0.040    | 0.0395   | 0.00089          | 11      |    |
|                 | P      | 0.078   | 0.0784   | 0.00098          | 9    |               | Mo            | 0.011    | 0.0110   | 0.00079          | 11      |    |
|                 | S      | 0.033   | 0.0334   | 0.00091          | 10   |               | Ti            | 0.098    | 0.0984   | 0.00125          | 11      |    |
|                 | Ni     | 0.013   | 0.0128   | 0.00130          | 10   |               | Al            | 0.041    | 0.0408   | 0.00075          | 11      |    |
|                 | Cr     | 0.020   | 0.0204   | 0.0007           | 10   |               | As            | 0.027    | 0.0273   | 0.00072          | 11      |    |
|                 | Cu     | 0.012   | 0.0116   | 0.00032          | 10   |               | Sn            | 0.054    | 0.0535   | 0.00085          | 11      |    |
|                 | V      | 0.011   | 0.0108   | 0.00042          | 10   |               | Ca            | 0.0032   | 0.00324  | 0.000322         | 11      |    |
|                 | Ti     | 0.081   | 0.0808   | 0.00072          | 10   |               | 171-3<br>微量元素 | C        | 0.042    | 0.0415           | 0.00112 | 11 |
|                 | N      | 0.0052  | 0.00522  | 0.00038          | 10   |               |               | Ni       | 0.11     | 0.111            | 0.00202 | 11 |
|                 | As     | —       | 0.0023   | 0.00054          | 10   |               |               | Cr       | 0.067    | 0.0670           | 0.00131 | 11 |
|                 | Sn     | —       | 0.0017   | 0.00082          | 10   |               |               | Mo       | 0.035    | 0.0347           | 0.00131 | 11 |
| 113-1<br>鋳物用銑   | C      | 4.06    | 4.062    | 0.0175           | 9    | Ti            |               | 0.036    | 0.0364   | 0.00098          | 11      |    |
|                 | Si     | 1.24    | 1.241    | 0.0085           | 10   | Al            |               | 0.040    | 0.0399   | 0.00089          | 11      |    |
|                 | Mn     | 0.40    | 0.404    | 0.0104           | 10   | As            |               | 0.045    | 0.0447   | 0.00151          | 11      |    |
|                 | P      | 0.077   | 0.0774   | 0.00132          | 10   | Sn            | 0.034         | 0.0339   | 0.00090  | 11               |         |    |
|                 | S      | 0.023   | 0.0231   | 0.00074          | 10   | Ca            | 0.0013        | 0.00132  | 0.000119 | 11               |         |    |
|                 | Ni     | 0.009   | 0.0091   | 0.00074          | 10   | 172-3<br>微量元素 | C             | 0.047    | 0.0467   | 0.00046          | 11      |    |
|                 | Cr     | 0.007   | 0.0072   | 0.00091          | 10   |               | V             | 0.010    | 0.0102   | 0.00087          | 11      |    |
|                 | Cu     | 0.080   | 0.0796   | 0.00151          | 10   |               | Co            | 0.049    | 0.0490   | 0.00085          | 11      |    |
|                 | V      | 0.011   | 0.0108   | 0.00035          | 10   |               | Al            | 0.014    | 0.0145   | 0.00114          | 11      |    |
|                 | Ti     | 0.040   | 0.0402   | 0.00114          | 10   |               | B             | 0.0022   | 0.00218  | 0.000108         | 11      |    |
|                 | N      | 0.0054  | 0.00541  | 0.00022          | 9    |               | Nb            | 0.052    | 0.0518   | 0.00153          | 10      |    |
|                 | As     | —       | 0.0029   | 0.00050          | 10   |               | Zr            | 0.010    | 0.0097   | 0.00075          | 11      |    |
|                 | Sn     | —       | 0.0016   | 0.00067          | 10   | Sb            | 0.0020        | 0.00200  | 0.000140 | 11               |         |    |
| 243-1<br>いおう専用鋼 | S      | 0.256   | 0.2563   | 0.0040           | 10   | 173-3<br>微量元素 | C             | 0.039    | 0.0394   | 0.00092          | 11      |    |
| 168-3<br>微量元素   | C      | 0.042   | 0.0416   | 0.00074          | 11   |               | V             | 0.034    | 0.0336   | 0.00083          | 11      |    |
|                 | Ni     | 0.012   | 0.0122   | 0.00064          | 11   |               | Co            | 0.031    | 0.0309   | 0.00055          | 11      |    |
|                 | Cr     | 0.011   | 0.0106   | 0.00050          | 11   |               | Al            | 0.020    | 0.0205   | 0.00096          | 11      |    |
|                 | Mo     | 0.095   | 0.0947   | 0.00112          | 11   |               | B             | 0.0033   | 0.00330  | 0.000146         | 11      |    |
|                 | Ti     | 0.068   | 0.0681   | 0.00148          | 11   |               | Nb            | 0.030    | 0.0303   | 0.00072          | 11      |    |
|                 | Al     | 0.032   | 0.0322   | 0.00098          | 11   |               | Zr            | 0.016    | 0.0162   | 0.00121          | 11      |    |
|                 | As     | 0.009   | 0.0090   | 0.00067          | 11   | Sb            | 0.0048        | 0.00484  | 0.000127 | 11               |         |    |
|                 | Sn     | 0.006   | 0.0056   | 0.00044          | 11   | 174-3<br>微量元素 | C             | 0.044    | 0.0439   | 0.00063          | 11      |    |
| Ca              | 0.0025 | 0.00248 | 0.00015  | 11               | V    |               | 0.063         | 0.0630   | 0.00154  | 11               |         |    |
| 169-3<br>微量元素   | C      | 0.040   | 0.0395   | 0.00085          | 11   |               | Co            | 0.020    | 0.0203   | 0.00075          | 11      |    |
|                 | Ni     | 0.050   | 0.0500   | 0.00087          | 11   |               | Al            | 0.030    | 0.0302   | 0.00106          | 11      |    |
|                 | Cr     | 0.095   | 0.0954   | 0.00170          | 11   |               | B             | 0.0053   | 0.00528  | 0.000147         | 11      |    |
|                 | Mo     | 0.064   | 0.0645   | 0.00151          | 11   |               | Nb            | 0.020    | 0.0200   | 0.00065          | 11      |    |
|                 | Ti     | 0.013   | 0.0127   | 0.00125          | 11   |               | Zr            | 0.024    | 0.0243   | 0.00193          | 11      |    |
|                 | Al     | 0.045   | 0.0454   | 0.00081          | 11   | Sb            | 0.0099        | 0.00990  | 0.000306 | 11               |         |    |
|                 | As     | 0.005   | 0.0053   | 0.00051          | 11   | 175-3<br>微量元素 | C             | 0.038    | 0.0376   | 0.00083          | 11      |    |
|                 | Sn     | 0.011   | 0.0110   | 0.00074          | 11   |               | V             | 0.093    | 0.0929   | 0.00114          | 11      |    |
| Ca              | 0.0006 | 0.00061 | 0.000128 | 11               | Co   |               | 0.011         | 0.0109   | 0.00110  | 11               |         |    |
|                 |        |         |          |                  | Al   |               | 0.054         | 0.0539   | 0.00127  | 11               |         |    |
|                 |        |         |          |                  | B    |               | 0.0091        | 0.00906  | 0.000255 | 11               |         |    |
|                 |        |         |          |                  | Nb   |               | 0.011         | 0.0111   | 0.00092  | 11               |         |    |
|                 |        |         |          |                  | Zr   |               | 0.031         | 0.0308   | 0.00138  | 11               |         |    |
|                 |        |         |          |                  | Sb   | 0.0196        | 0.01965       | 0.000576 | 11       |                  |         |    |