

# Instand e.V. Ringversuche

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| Spurenelemente I (205)                     |    | Probe | Ihr Wert | Zielwert | Bewertungsbereich | Abw. (%) |             |
|--|----|-------|----------|----------|-------------------|----------|-------------|
| Aluminium im Harn ug/L<br>alle Methoden    | 14 | 21    | 205.3    | 200      | 128 - 272         | 3        | +           |
|  |    | 22    | 31.80    | 35.0     | 22.4 - 47.6       | -9       |             |
| Arsen im Harn ug/L<br>alle Methoden        | 14 | 21    | 115.5    | 125      | 80.0 - 170        | -8       | +           |
|  |    | 22    | 35.60    | 40.6     | 25.9 - 55.3       | -12      |             |
| Blei im Harn ug/L<br>alle Methoden         | 14 | 21    | 55.30    | 56.1     | 35.9 - 76.3       | -1       | +           |
|  |    | 22    | 116.4    | 131      | 83.8 - 179        | -11      |             |
| Chrom im Harn ug/L<br>alle Methoden        | 14 | 21    | 14.00    | 14.6     | 9.34 - 19.9       | -4       | +           |
|  |    | 22    | 9.62     | 9.80     | 6.27 - 13.4       | -2       |             |
| Eisen im Harn ug/L<br>alle Methoden        | 14 | 21    | 294.7    | 274      | 175 - 373         | 8        | +           |
|  |    | 22    | 101.2    | 95.2     | 60.9 - 130        | 6        |             |
| Kadmium im Harn ug/L<br>alle Methoden      | 14 | 21    | 24.00    | 23.3     | 14.9 - 31.7       | 3        | +           |
|  |    | 22    | 4.92     | 5.20     | 3.32 - 7.08       | -5       |             |
| Kobalt im Harn ug/L<br>alle Methoden       | 14 | 21    | 6.46     | 7.15     | 4.57 - 9.73       | -10      | +           |
|  |    | 22    | 9.40     | 10.3     | 6.59 - 14.1       | -9       |             |
| Kupfer im Harn ug/L<br>alle Methoden       | 14 | 21    | 80.10    | 72.9     | 46.6 - 99.2       | 10       | +           |
|  |    | 22    | 57.00    | 49.9     | 31.9 - 67.9       | 14       |             |
| Mangan im Harn ug/L<br>alle Methoden       | 14 | 21    | 14.80    | 14.8     | 9.47 - 20.2       | 0        | +           |
|  |    | 22    | 5.44     | 5.20     | 3.32 - 7.08       | 5        |             |
| Nickel im Harn ug/L<br>alle Methoden       | 14 | 21    | 15.10    | 15.5     | 9.92 - 21.1       | -3       | +           |
|  |    | 22    | 49.80    | 48.5     | 31.0 - 66.0       | 3        |             |
| Quecksilber im Harn ug/L<br>alle Methoden  | 14 | 21    | 7.98     | 7.75     | 4.96 - 10.6       | 3        | +           |
|  |    | 22    | 4.42     | 4.10     | 2.62 - 5.58       | 8        |             |
| Selen im Harn ug/L<br>alle Methoden        | 14 | 21    | 24.90    | 27.2     | 17.4 - 37.0       | -8       | +           |
|  |    | 22    | 47.90    | 48.2     | 30.8 - 65.6       | 0        |             |
| Zink im Harn mg/L<br>alle Methoden         | 14 | 21    | 1.02     | 1.02     | .650 - 1.39       | 0        | +           |
|  |    | 22    | 2.86     | 2.86     | 1.83 - 3.89       | 0        |             |
|  |    |       |          |          |                   |          | ** BRAVO ** |
| Spurenelemente IV (208)                    |    | Probe | Ihr Wert | Zielwert | Bewertungsbereich | Abw. (%) |             |
| Antimon im Vollblut ug/L<br>alle Methoden  | 14 | 21    | 8.29     | 8.00     | 5.11 - 10.9       | 4        | +           |
|  |    | 22    | 63.20    | 61.3     | 39.2 - 83.4       | 3        |             |
| Arsen im Vollblut ug/L<br>alle Methoden    | 14 | 21    | 8.60     | 7.45     | 4.76 - 10.2       | 15       | +           |
|  |    | 22    | 43.00    | 36.7     | 23.4 - 50.0       | 17       |             |
| Blei im Vollblut ug/L<br>alle Methoden     | 14 | 21    | 488.0    | 525      | 336 - 714         | -7       | +           |
|  |    | 22    | 284.0    | 279      | 178 - 380         | 2        |             |
| Chrom im Vollblut ug/L<br>alle Methoden    | 14 | 21    | 3.90     | 3.75     | 2.40 - 5.10       | 4        | +           |
|  |    | 22    | 5.90     | 4.76     | 3.04 - 6.48       | 24       |             |
| Kadmium im Vollblut ug/L<br>alle Methoden  | 14 | 21    | 4.19     | 4.76     | 3.04 - 6.48       | -12      | +           |
|  |    | 22    | 5.90     | 6.10     | 3.90 - 8.30       | -3       |             |
| Kobalt im Vollblut ug/L<br>alle Methoden   | 14 | 21    | 7.83     | 8.70     | 5.56 - 11.9       | -10      | +           |
|  |    | 22    | 11.80    | 12.0     | 7.67 - 16.4       | -2       |             |
| Mangan im Vollblut ug/L<br>alle Methoden   | 14 | 21    | 15.60    | 15.6     | 9.98 - 21.3       | 0        | +           |
|  |    | 22    | 20.60    | 19.1     | 12.2 - 26.0       | 8        |             |
| Nickel im Vollblut ug/L<br>alle Methoden   | 14 | 21    | 6.80     | 6.20     | 3.96 - 8.44       | 10       | +           |
|  |    | 22    | 5.90     | 4.80     | 3.07 - 6.53       | 23       |             |
| Quecksilber Vollblut ug/L<br>alle Methoden | 14 | 21    | 23.10    | 22.2     | 14.2 - 30.2       | 4        | +           |
|  |    | 22    | 45.70    | 45.0     | 28.7 - 61.3       | 2        |             |
| Selen im Vollblut ug/L<br>alle Methoden    | 14 | 21    | 85.90    | 85.1     | 54.4 - 116        | 1        | +           |
|  |    | 22    | 114.0    | 94.7     | 60.6 - 129        | 20       |             |
| Zink im Vollblut mg/L<br>alle Methoden     | 14 | 21    | 12.00    | 13.1     | 8.38 - 17.9       | -8       | +           |
|  |    | 22    | 90.00    | 87.9     | 56.2 - 120        | 2        |             |

Zum Ringversuch vorhandene Kommentare finden Sie im Internet unter [www.instand-ev.de](http://www.instand-ev.de) Ringversuche

