# CDN Resource Laboratories Ltd.

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## REFERENCE MATERIAL: CDN-GS-P7L

Recommended values and the "Between Lab" Two Standard Deviations

| | | | |
|---|---|---|---|
| ***Gold*** | ***0.709 g/t ± 0.072 g/t*** | ***30 g FA, instrumental*** | ***Certified value*** |

***Note:*** Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

**PREPARED BY**: CDN Resource Laboratories Ltd.
**CERTIFIED BY:** Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
**INDEPENDENT GEOCHEMIST:** Dr. Barry Smee., Ph.D., P. Geo.
**DATE OF CERTIFICATION:** January, 2016

**ORIGIN OF REFERENCE MATERIAL:**

Standard CDN-GS-P7L is made from spiking low grade rock with gold containing ore.

### METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

**Assay Procedure:**

Au: Fire Assay pre-concentration, AA or ICP finish.

| | Lab 1 | Lab 2 | Lab 3 | Lab 4 | Lab 5 | Lab 6 | Lab 7 | Lab 8 | Lab 9 | Lab 10 | Lab 11 | Lab 12 | Lab 13 | Lab 14 | Lab 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t | Au g/t |
| GS-P7L-1 | 0.684 | 0.678 | 0.711 | 0.645 | 0.706 | 0.725 | 0.742 | 0.676 | 0.715 | 0.702 | 0.750 | 0.720 | 0.661 | 0.685 | 0.643 |
| GS-P7L-2 | 0.704 | 0.731 | 0.725 | 0.632 | 0.662 | 0.722 | 0.676 | 0.666 | 0.733 | 0.789 | 0.698 | 0.742 | 0.642 | 0.758 | 0.631 |
| GS-P7L-3 | 0.686 | 0.683 | 0.719 | 0.643 | 0.759 | 0.756 | 0.645 | 0.755 | 0.691 | 0.718 | 0.705 | 0.759 | 0.652 | 0.761 | 0.607 |
| GS-P7L-4 | 0.708 | 0.756 | 0.702 | 0.693 | 0.727 | 0.708 | 0.759 | 0.717 | 0.731 | 0.780 | 0.707 | 0.735 | 0.694 | 0.679 | 0.623 |
| GS-P7L-5 | 0.706 | 0.746 | 0.749 | 0.612 | 0.704 | 0.764 | 0.691 | 0.742 | 0.679 | 0.702 | 0.663 | 0.659 | 0.624 | 0.742 | 0.609 |
| GS-P7L-6 | 0.680 | 0.713 | 0.721 | 0.653 | 0.762 | 0.695 | 0.646 | 0.735 | 0.687 | 0.748 | 0.714 | 0.707 | 0.655 | 0.678 | 0.633 |
| GS-P7L-7 | 0.709 | 0.754 | 0.741 | 0.689 | 0.730 | 0.773 | 0.782 | 0.696 | 0.704 | 0.763 | 0.689 | 0.678 | 0.695 | 0.717 | 0.631 |
| GS-P7L-8 | 0.681 | 0.818 | 0.734 | 0.669 | 0.696 | 0.738 | 0.722 | 0.737 | 0.732 | 0.738 | 0.688 | 0.668 | 0.672 | 0.748 | 0.691 |
| GS-P7L-9 | 0.691 | 0.649 | 0.708 | 0.616 | 0.685 | 0.748 | 0.614 | 0.743 | 0.679 | 0.703 | 0.681 | 0.793 | 0.632 | 0.711 | 0.659 |
| GS-P7L-10 | 0.702 | 0.745 | 0.712 | 0.653 | 0.752 | 0.729 | 0.748 | 0.692 | 0.680 | 0.790 | 0.722 | 0.778 | 0.659 | 0.691 | 0.694 |
| Mean | 0.695 | 0.727 | 0.722 | 0.651 | 0.718 | 0.736 | 0.703 | 0.716 | 0.703 | 0.743 | 0.702 | 0.724 | 0.659 | 0.717 | 0.642 |
| Std. Dev'n | 0.0118 | 0.0485 | 0.0152 | 0.0274 | 0.0334 | 0.0248 | 0.0565 | 0.0313 | 0.0230 | 0.0361 | 0.0241 | 0.0461 | 0.0236 | 0.0332 | 0.0305 |
| %RSD | 1.70 | 6.67 | 2.10 | 4.21 | 4.65 | 3.37 | 8.04 | 4.37 | 3.27 | 4.86 | 3.43 | 6.37 | 3.58 | 4.63 | 4.76 |

**Notes: data from laboratory 15 was removed for failing the t-test.**

**Approximate chemical composition (from whole rock analysis) is as follows**:

| | Percent | | | Percent |
|---|---|---|---|---|
| SiO2 | 56.4 | | K2O | 1.1 |
| Al2O3 | 14.8 | | TiO2 | 0.4 |
| Fe2O3 | 7.3 | | LOI | 1.6 |
| CaO | 7.7 | | S | 0.1 |
| Na2O | 2.5 | | C | 0.1 |
| MgO | 7.6 | | | |

**Statistical Procedures:**

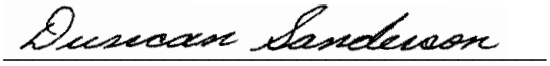
The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

**Participating Laboratories:**
(not in same order as listed in table of results)

Acme, Santiago Chile
Activation Laboratories, Ancaster, Ontario, Canada
Activation Laboratories, Thunder Bay, Ontario, Canada
American Assay Laboratories Inc., Sparks, Nevada, USA
ALS Canada, North Vancouver, BC, Canada
ALS Loughrea (Omac), Ireland
ALS, Sparks, Nevada, USA
Argetest, Ankara, Turkey
Bureau Veritas (Acme), Vancouver, BC, Canada
Certimin, Lima, Peru
Met-Solve Analytical Services, Langley, BC, Canada
SGS, Lima, Peru
SGS, Vancouver, BC, Canada
Skyline Laboratories, Tucson, Arizona, USA
TSL Laboratories Ltd., Saskatoon, SK, Canada

**Legal Notice:**

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by 

Duncan Sanderson, Certified Assayer of B.C.

Geochemist 

Dr. Barry Smee, Ph.D., P. Geo.