

Analysis of INCONEL 718

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RESULTS OF ANALYSIS FOR STANDARD BS718A MATERIAL: NICKEL GRADE 718 - UNS N07718

ELEMENT	RUN #1	RUN #2	RUN #3	AVERAGE	CERT	% REL	STDEV	RSD
Al %	0.57	0.57	0.57	0.57	0.57	0.11	0.002	0.29
B %	0.0046	0.0047	0.0047	0.0047	0.0046	1.45	0.0001	1.24
C %	0.035	0.035	0.035	0.035	0.036	3.24	0.0005	1.42
Co %	0.33	0.32	0.32	0.32	0.32	0.45	0.005	1.48
Cr %	18.00	18.11	17.96	18.02	18.19	0.92	0.078	0.43
Cu %	0.059	0.060	0.059	0.059	0.060	1.50	0.0005	0.78
Fe %	19.34	19.39	19.45	19.39	19.21	0.95	0.055	0.28
Mn %	0.076	0.078	0.078	0.077	0.080	3.42	0.001	0.98
Mo %	3.07	3.08	3.06	3.07	3.06	0.37	0.009	0.28
Nb %	5.18	5.22	5.22	5.20	5.19	0.27	0.025	0.48
P %	0.007	0.007	0.007	0.007	0.007	0.48	0.0001	1.64
Si %	0.13	0.12	0.12	0.12	0.12	3.14	0.001	0.89
Ti %	1.02	1.02	0.99	1.01	1.02	0.96	0.017	1.68
Ni %	52.19	51.99	52.13	52.10	—	—	—	—

The sample was prepared by grinding with 120-grit zirconium oxide belt using a BG-30.

Parameters

Grimm-Style DC 4 mm lamp

Voltage: 1100 V

Current: 40 mA

For questions on this analysis e-mail us at:
info@leco.com

For a complete listing of snapshots and performance notes visit us on the web at www.leco.com in the Spectroscopy section of the Applications Library.

