



100-piece master calibration alloy set

First quality CRMs in a convenient boxed set

We have assembled our 100-piece CRM Master Calibration Alloy Set specifically for the analytical or commercial lab that analyzes multiple metal alloy groups. Our master set was created to save you time and to help eliminate the guesswork from CRM selection.

The Master 100 set contains CRMs from the following alloy groups:

- Stainless Steel
- High Temperature Alloys
- Carbon and Low Alloy Steel
- Nickel Alloys
- Copper, Brass and Bronze
- Cobalt Alloys

We offer three Master 100 CRM kits, each available in a physical form to suit your type of analysis:

- General thick disks for spark OE, glow discharge and LIBS
- Thin disks for X-ray analysis
- Chips for wet chemical or solution instrumental techniques (AA, ICP, ICP-MS), and for combustion instruments to analyze carbon, sulfur, and in some cases, hydrogen.

The Master 100 CRMs can be used to create calibration curves, or as type standards for existing calibrations. These CRMs provide the means to achieve excellent accuracy, regardless of the application. The Master 100 is also ideal for alloy sorting or quantitative analysis, using either portable or bench top XRF instruments. If this set is not exactly what you need, we will choose from our CRM library to create a custom alloy set of any size specifically for you.

We are the market leader in application-specific metal alloy CRMs. We developed the Inter-Laboratory Analysis Program (ILAP), in which we partner with our all-volunteer network of testing laboratories for CRM certification. The goal of this program is to produce final certified results that are traceable to national and/or international certifying bodies, with emphasis on NIST values. The resulting ARMI brand CRMs afford an unequivocal level of confidence to the scientific community. Our IARMs can be found in the application laboratories of most major instrument manufacturers around the world.

The specific CRM grades in the Master 100 set are listed below; each CRM comes with a complete Certificate of Analysis.




IARM Master 100 Set

Stainless & High Temperature Steel

AISI 303	AISI 330	AISI 430	Nitronic 40	17-4 PH
AISI 304	AISI 347	AISI 431	Nitronic 50	17-7 PH
AISI 309	AISI 410	AISI 440C	Nitronic 60	Duplex 2205
AISI 310	AISI 416	AISI 446	Greek Ascology	20Cb3
AISI 316	AISI 420	Custom 450	13-8Mo PH	A286
AISI 321	AISI 422	Custom 455	15-5 PH	AL-6XN

Carbon, Low Alloy Steel

Pure Iron	AISI 1045	AISI 4140	AISI E6150	 4 Cr 1/2 Mo
AISI 1018	AISI 1117	AISI 4340	AISI 8620	2¼Cr 1Mo
AISI 1030	AISI 1144	AISI 4620	AISI E9310	5Cr ½Mo
AISI 1040	AISI 4130	AISI 4820	AISI E52100	9Cr 1Mo

Copper, Brass & Bronze

CDA 110	CDA 482	CDA 630	CDA 715	CDA 922
CDA 172	CDA 485	CDA 642	CDA 836	CDA 932
CDA 314	CDA 510	CDA 655	CDA 857	CDA 937
CDA 360	CDA 544	CDA 675	CDA 863	CDA 954
CDA 464	CDA 623	CDA 706	CDA 903	CDA 955

Nickel & Cobalt Alloys

Nickel 200	Alloy 625	Alloy 825	RA 333	Alloy G-30
Alloy 400	Alloy 690	Alloy 909	Waspaloy	Alloy X
Alloy R405	Alloy 718	Haynes 230	Alloy B-2	Stellite 6b
Alloy 500	Alloy 750	Haynes 242	Alloy C-22	Stellite 25
Alloy 600	Alloy 800	Kovar	Alloy C-276	Stellite 188

Substitutions from the ARMI catalog can easily be made for these listed alloys to meet your specific needs at a nominal additional cost. Specific chemistries for all listed ARMI CRMs can be found on the ARMI website at www.ARM.com.



Metal alloy proficiency testing you can rely on

The ARMI metal alloy Proficiency Testing Program (PTP) measures analytical performance against a CRM's actual certified value and against peer results. This two-pronged approach to proficiency testing is unique in the metals industry and has made the ARMI PTP the proficiency test of choice within the industry.

We're here to help you deliver **analytical excellence!**



The ARMI PTP difference:

- Choose the test frequency that meets your quality requirements
- Select from our extensive stock of CRMs, traceable to NIST values, to best suit your needs
- Enter results online or via fax for your convenience
- Receive comprehensive, actionable feedback within 72 hours of submission

Contact us: askus@lgcgroup.com Visit us at www.lgcstandards.com

LGC Quality – ISO 9001



Compliant with ISO 17043:2010, Annex A, Model 2 Scheme Guidelines

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For further information, or if you require substances or materials not currently listed please contact one of our local sales offices.

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