INDUSTRIALS
VHG™ | ARMI | MBH™

XRF Glass Monitor Sample Catalog

Monitor glasses for
X-ray fluorescence (XRF)

LGC Quality | ISO 17034 | ISO/IEC 17025 | ISO 9001 | ISO 17043

Over 1,400 reference materials
20 different alloy groups

Our certification process is accredited to ISO 17034 for reference material producers and includes both homogeneity testing of candidate material, and chemical analysis of major and trace elements using a wide range of analytical methods including XRF, ICP-OES, ICP-MS, Arc-Spark Optical Emission, GD-AES and GD-MS.

Chemical analyses are performed in our state-of-the-art laboratory accredited to ISO/IEC 17025 using XRF, ICP-OES and ICP-MS, as well as through a network of external laboratories through the use of multiple analytical techniques.

This approach insures that we produce high quality reference materials with the largest number of certified elements while limiting inter-technique biases.

ISO 17034

ISO/IEC 17025

ISO 9001

ISO 17043

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ARMI | MBH is a producer of high quality reference materials for the chemical analysis of metal alloys.

Our reference materials are available in disc and chip forms to suit various analytical techniques including Optical Emission (OE), X-ray Fluorescence spectrometry (XRF), and Inductively Coupled Plasma (ICP). Custom forms are available upon request.

We recognize that sample preparation along with reference materials are critical components in producing high quality analytical data.

We therefore provide sample preparation equipment including disc and pendulum grinders for the surface preparation of metal samples for XRF and OE analysis, fusion systems for the preparation of powdered materials for XRF analysis, and a unique ColdBlockTM digestion system for ICP and AA sample preparation.

ARMI.com

Introduction

LGC™ and ARMI|MBH™ understand that you need solutions that fit your specific requirements with quality you can trust. Our comprehensive range of XRF glass monitor samples enables you to choose the best option for your needs.

Our XRF monitor glasses come from our original Breitlaender standards offering, where we continue to provide you with high-quality solutions through ARMI|MBH. Our unique glass compositions allow for accurate and reliable monitoring of low and high concentration x-ray fluorescence (XRF) calibrations on systems from multiple different XRF manufacturers around the world.

Among the many benefits of using our monitor glass you can expect good elemental intensities as a monitor sample and the stability of our product allows for the sample to be used for a long period of time.

On the following pages you will find our comprehensive offering of XRF glass monitor samples to help you Measure The Difference™. To learn more about ARMI|MBH visit our website or subscribe to our blog to get our latest updates

Science for a safer world

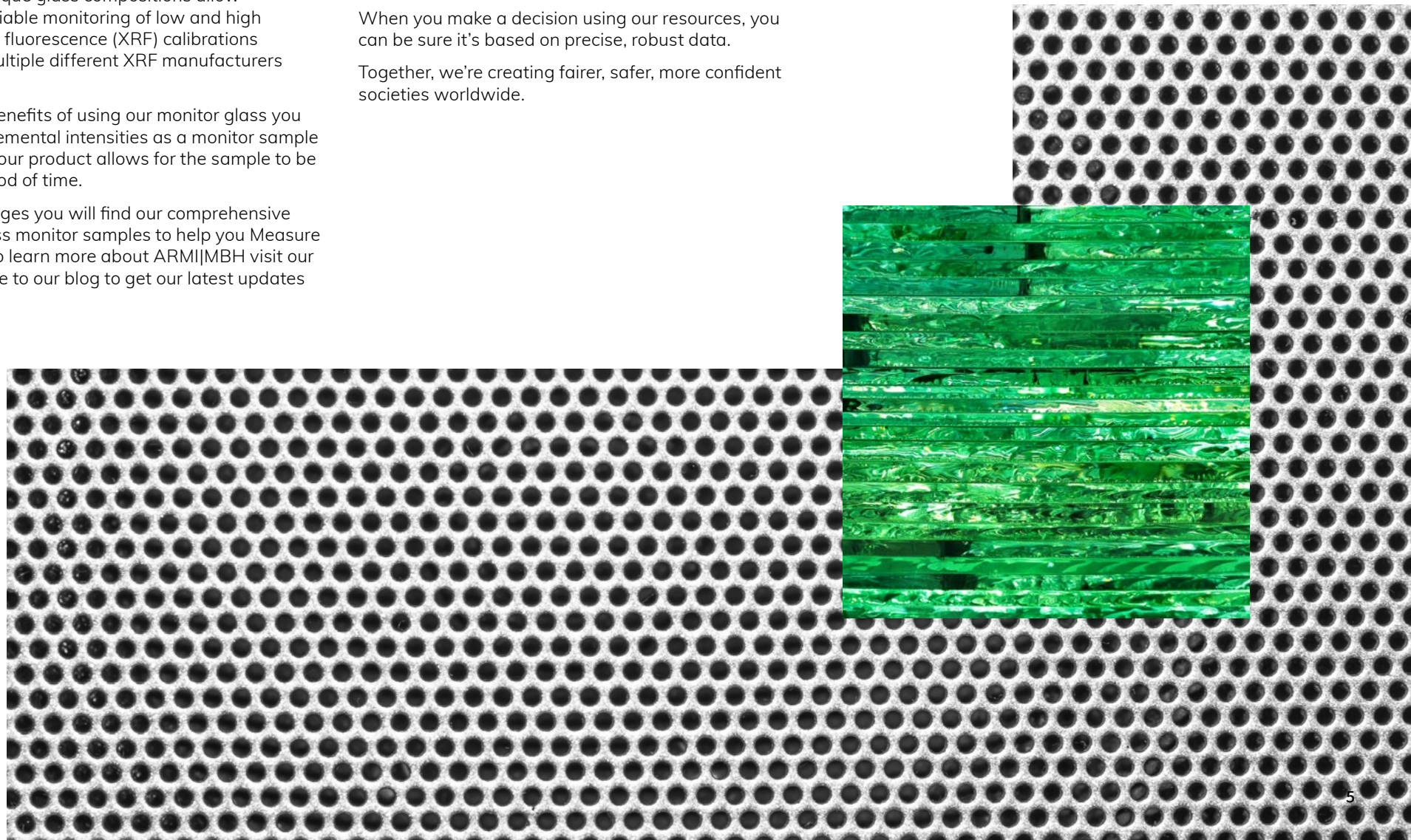
ARMI | MBH is part of the wider LGC Standards family. LGC is the UK's designated National Measurement Institute for chemical and bioanalytical measurements.

With 2,600 professionals working in 21 countries, our analytical measurement and quality control services are second to none.

As a global leader, LGC provides the widest range of reference materials available from any single supplier.

When you make a decision using our resources, you can be sure it's based on precise, robust data.

Together, we're creating fairer, safer, more confident societies worldwide.



XRF Glass Monitor Samples

Compatible with Bruker/Siemens XRF Systems

Code	Product	Unit	Unit Value	Al2O3	B2O3	BaO	CaO	CdO	Cl	CoO	CuO	F	Fe2O3	K2O	La2O3	MgO	MnO	MoO3	Na2O	Nd2O5
XRF-SQ1N	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	16	16	3								12		4	5	2		
XRF-SQ2NN	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	10	58		6			1.6					1				8	1
XRF-SQ3N	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				3	1			2	5		14		8	2		0.05	
XRF-STG2	SUS Quick-Check Glass, Ø 40x5	disc	%	0.95			5.12		0.26				0.04	5.16		0.4			13.52	
XRF-RW1711/11	SUS Pure Graphite, Ø 40x5 mm	disc	%		(<0.01)		(<0.2)				(<0.08)		(0.2)			(0.01)				

Code	Product	Unit	Unit Value	P2O5	PbO	Rb2O	SO3	Sb2O3	Sc2O3	SiO2	SnO2	SrO	Ta2O5	TiO2	V2O5	ZnO	ZrO2
XRF-SQ1N	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					0.5		29.5	1	1	1	4		5	
XRF-SQ2NN	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	5	4			1.85		3.55							
XRF-SQ3N	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					0.8		63.15							1
XRF-STG2	SUS Quick-Check Glass, Ø 40x5	disc	%	0.02		0.02	0.61	0.75	0.01	71.43		1.99		0.02			0.01
XRF-RW1711/11	SUS Pure Graphite, Ø 40x5 mm	disc	%							(0.5)				(<0.5)	(<0.2)		

Code	Product	Unit	Unit Value	As2O3	B2O3	CaO	CoO	K2O	MnO	MoO3	Na2O	Sb2O3	SiO2
XRF-BAXS-S2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	2	33.5	15	0.5	2	7	3	5	2	30

XRF Glass Monitor Samples

Compatible with PANalytical XRF Systems

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	CaO	CdO	CeO2	CoO	Cr2O3	Cs2O	CuO	F	Fe2O3	Ga2O3	GeO2
XRF-PA4	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		15.8		4.2	2		0.83	0.39			0.15	0.04		0.17	1.16		0.08
XRF-PB2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		6.75			0.04		21.4			1.62			0.25	1.5	12.3		
XRF-PC3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		27.18	0.78	19.1	1	0.5	0.03	0.16							5.4		0.27
XRF-PD3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		20.22	1.86	22.2		0.18	14.3		0.84						0.58	0.46	0.41
XRF-PE3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.13	8.5	0.44	4	4.6	0.08	0.6			0.74	0.56		0.82	1.3	0.03		
XRF-PF3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		3.85		2	0.34		2.84	0.96	0.39	0.25	0.27	0.13	1.8	5	0.07	0.09	

Code	Product	Unit	Unit Value	In2O3	K2O	La2O3	MgO	MnO	MoO3	Na2O	Nb2O5	Nd2O3	NiO	P2O5	PbO	Pr2O3	Rb2O	Sb2O3	SiO2	Sm2O3
XRF-PA4	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.04	2.16		3.2	20.3		0.13				0.58			0.04		36.52	
XRF-PB2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%				0.23	0.89					0.79	2.2	4.4				31.8	
XRF-PC3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		6.9			0.47	2	7.9	0.6	0.46	0.29	15.6		0.2			9.9	
XRF-PD3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		0.09	0.88	7.3		0.87	9.6				5.8	1.7			1.85	5.48	
XRF-PE3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.09	0.95	0.4		6.5		15.3	0.05		1.85		0.45			0.43	50.07	
XRF-PF3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.26	18.3		0.82			1.2	0.38				0.05		0.16	0.86	56.31	0.18

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	SnO2	SrO	Ta2O5	TeO2	TiO2	V2O5	WO3	Y2O3	ZnO	ZrO2
XRF-PA4	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		0.71		0.04	3.9	0.01			7.4	0.15
XRF-PB2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.92		0.85	0.08	1.2		1.85		0.45	
XRF-PC3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%					0.1	0.26	0.9			
XRF-PD3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		0.13			0.03	0.86	0.32		3.7	0.34
XRF-PE3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.6	0.31	0.05	0.03	0.02			0.18	0.92	
XRF-PF3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.2		0.36		0.04	1.7		0.45		0.74

Compatible with PANalytical XRF Systems (Sets containing Th and U)

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	CaO	CdO	CeO2	CoO	Cr2O3	Cs2O	CuO	F	Fe2O3	Ga2O3	GeO2
XRF-PA3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		15.8		4.2	2		0.83	0.39			0.15	0.04		0.17	1.16		0.08
XRF-PB2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		6.75			0.04		21.4			1.62			0.25	1.5	12.3		
XRF-PC3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		27.18	0.78	19.1	1	0.5	0.03	0.16							5.4		0.27
XRF-PD3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		20.22	1.86	22.2		0.18	14.3		0.84						0.58	0.46	0.41
XRF-PE2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm, with U	disc	%	0.13	8.5	0.44	4	4.6	0.08	0.6			0.74	0.56		0.82	1.3	0.03		
XRF-PF2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm, with Th+U	disc	%		3		2	0.34		2.84	0.96	0.39	0.25	0.27	0.13	1.8	5	0.07	0.09	

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	In2O3	K2O	La2O3	MgO	MnO	MoO3	Na2O	Nb2O5	Nd2O3	NiO	P2O5	PbO	Pr2O3	Rb2O	Sb2O3	SiO2	Sm2O3
XRF-PA3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.04	2.16		3.2	20.3		0.13				0.58			0.04		36.5	
XRF-PB2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%				0.23	0.89					0.79	2.2	4.4				31.8	
XRF-PC3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		6.9			0.47	2	7.9	0.6	0.46	0.29	15.6		0.2			9.9	
XRF-PD3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		0.09	0.88	7.3		0.87	9.6				5.8	1.7			1.85	5.48	
XRF-PE2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm, with U	disc	%	0.09	0.95	0.4		6.5		15.3	0.05		1.85		0.45			0.43	48.9	
XRF-PF2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm, with Th+U	disc	%	0.26	18.3		0.82			1.2	0.38				0.05		0.16	0.86	56.56	0.18

Code	Product	Unit	Unit Value	SnO2	SrO	Ta2O5	TeO2	ThO2	TiO2	UO2	V2O5	WO3	Y2O3	ZnO	ZrO2
XRF-PA3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		0.71		0.04	0.04	3.9	0.01	0.01			7.4	0.15
XRF-PB2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%	0.92		0.85	0.08		1.2			1.85		0.45	
XRF-PC3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%						0.1		0.26	0.9			
XRF-PD3	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm	disc	%		0.13				0.03		0.86	0.32		3.7	0.34
XRF-PE2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm, with U	disc	%	0.6	0.31	0.05	0.03		0.02	0.44			0.18	0.92	
XRF-PF2	SUS Silikatglas, polished, XRF-SUS, Ø 40.7x5 mm, with Th+U	disc	%	0.2		0.36		0.33	0.04	0.27	1.7		0.45		0.74

XRF Glass Monitor Samples

Compatible Spectro/Ametek XRF Systems

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	CaO	CdO	CeO2	CoO	Cr2O3	Cs2O	CuO	F	Fe2O3	Ga2O3	GeO2
XRF-AS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		15.8	0.05	3.22			0.83	0.39			0.15	0.04		0.17	1.16		0.08
XRF-BS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		6.75	0.05		0.04		21.45			1.62			0.1	1.4	12.3		
XRF-CS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		27.1	0.78	19.23	1	0.5	0.03	0.16							5.4		0.27
XRF-DS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		20		23.82			14.4		0.88						0.58	0.46	
XRF-ES1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.13	13.2	0.2	1.1	4.6	0.08	0.6			0.74	0.56		0.25	1.3	0.03		
XRF-FS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3.85		1.48	0.34		2.84	0.2	0.41	0.25	0.27	0.13	1.8	5	0.07	0.09	

Code	Product	Unit	Unit Value	In2O3	K2O	La2O3	MgO	MnO	MoO3	Na2O	Nb2O5	Nd2O3	NiO	P2O5	PbO	Pr6O11	Rb2O	Sb2O3	SiO2	Sm2O3
XRF-AS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.04	2.16		3.2	20.3		0.13				0.58	0.5		0.04		38.9	
XRF-BS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.04		12	0.89		0.09	0.6		0.79	2.1	4.4				31.942	
XRF-CS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		6.9			0.47	2	7.9		0.46	0.29	15.6		0.21			11.3	
XRF-DS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.09	0.88	7.4		0.87	9.6				5.8	1.7			1.85	6.6	
XRF-ES1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.09	2.7	0.4		6.2		14.6	0.05		1.85		0.3			0.43	48.3	
XRF-FS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.26	18.4		0.82			1.2	0.38				0.05		0.16	0.25	59.6	0.18

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	SnO2	SrO	Ta2O5	TeO2	ThO2	TiO2	UO2	V2O5	WO3	Y2O3	ZnO	ZrO2
XRF-AS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.71		0.04	0.04	3.9	0.01	0.01			7.4	0.15
XRF-BS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.2	0.008		0.08		1.2			1.85		0.1	
XRF-CS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%						0.1		0.26	0.05			
XRF-DS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.13			0.18	0.03		0.86	0.05		3.7	0.34
XRF-ES1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.6	0.31	0.05	0.03	0.44	0.8		0.2		0.18	0.15	
XRF-FS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.2		0.36		0.33	0.04	0.27	1.7		0.45		0.74

Compatible with Thermo/ARL XRF Systems

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	Br	CaO	CeO2	Cl	Cr2O3	F	Fe2O3	GeO2	I	K2O	La2O3
XRF-U7	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		7.1		0.5	0.5			3.6		0.6		2.8	0.14			5.1	
XRF-U16	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%			1.5	24					1				0.1	1.5		5	1
XRF-U22	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.5	7		8		0.5	0.1	10							0.1		
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		1.5						20			2		16			3	

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	MgO	MoO3	Na2O	Nd2O3	NiO	P2O5	PbO	Pr6O11	SO3	Sb2O3	SiO2	SnO2	SrO	Ta2O5	TiO2	V2O5	WO3
XRF-U7	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.05		11.5			2.5	0.1			0.14	65.3		0.25				
XRF-U16	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	10	1	10				2				40	0.5		0.1		1.5	1.07
XRF-U22	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	6.5		16	0.5	2	0.3		0.516			45						
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%						1	4		0.4		49.1				3		

Code	Product	Unit	Unit Value	ZnO
XRF-U7	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.05
XRF-U16	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	
XRF-U22	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	

XRF Glass Monitor Samples

Compatible with Thermo/ARL XRF Systems

Code	Product	Unit	Unit Value	Al2O3	B2O3	CaO	CdO	Cr2O3	CuO	F	Fe2O3	K2O	Li2O	MgO	MnO	Na2O	P2O5	PbO	SO3	Sb2O3
XRF-U4/2	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1		2	0.4			1.2	0.05	0.6				12			1.7	
XRF-U25	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	3		6.9		0.27	0.18	0.3	0.34	2.9		0.15	6	9.3			0.12	0.2
XRF-U30	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	20	22									14		14				
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1.5		20		2			16	3					1	4	0.4	
XRF-U33	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.3		56					0.2		43.95							

Code	Product	Unit	Unit Value	SiO2	TiO2	UO2	ZnO
XRF-U4/2	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	67			15
XRF-U25	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	69.3		0.096	0.8
XRF-U30	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%				
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	49.1	3		
XRF-U33	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.3			

XRF Glass Monitor Samples

Compatible with Rigaku XRF Systems

Code	Product	Unit	Unit Value	Al2O3	B2O3	BaO	CaO	Fe2O3	K2O	MgO	Na2O	P2O5	PbO	SO3	Sb2O3	SiO2
XRF-RK1	SUS XRF - Setting Up Sample, Ø 40 x 5 mm	disc	%		30	1	1	5	2		15		5	0.1	0.5	40.4
XRF-RK2E	SUS XRF - Setting Up Sample, Ø 40 x 5 mm	disc	%	19	20	2.5	10	5	3	7	10	0.2	2	1	1	19.3
XRF-RK3B	SUS XRF - Setting Up Sample, Ø 40 x 5 mm	disc	%	20	10	4	20	0.5	4	7	5		0.5	1.5	1	26.5

AusMon Monitor Glasses

Code	Product	Unit	Unit Value	Ag	Al	As	Ba	Bi	Br	Ca	Cd	Ce	Cl	Co	Cr	Cs	F	Fe	Ga	Gd
CD AUSMON SILICATES	SUS XRF Monitors for silicates, 53 elements, XRF,Ø40x3-4 mm	disc	%	(0.2)	X	(0.2)	(0.2)	(0.2)	(0.2)	X	(0.2)	(0.2)	X	(0.2)	(0.2)	(0.2)		X	(0.2)	(0.2)

Code	Product	Unit	Unit Value	Ge	Hf	K	La	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb
CD AUSMON SILICATES	SUS XRF Monitors for silicates, 53 elements, XRF,Ø40x3-4 mm	disc	%	(0.2)	(0.2)	X	(0.2)	X	X	(0.2)	X	(0.2)	(0.2)	(0.2)	X	(0.2)	(0.2)	(0.2)	X	(0.2)

Code	Product	Unit	Unit Value	Sc	Se	Si	Sm	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Yb	Zn
CD AUSMON SILICATES	SUS XRF Monitors for silicates, 53 elements, XRF,Ø40x3-4 mm	disc	%	(0.1)	(0.2)	X	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	X	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	Zr
CD AUSMON SILICATES	SUS XRF Monitors for silicates, 53 elements, XRF,Ø40x3-4 mm	disc	%	(0.2)

Code	Product	Unit	Unit Value	Ag	Al	As	Ba	Bi	Br	Ca	Cd	Ce	Cl	Co	Cr	Cu	F	Fe	Hf	K
CD AUSMON SULPHIDES	SUS XRF Monitors, Ni,Cu,Zn+Pb sulfides, 32 Elements, Ø40x3-4 mm	disc	%	X	X	X	X	X		X	X		X	X	X	X	X	X		X
CD AUSMON MINERAL SANDS	SUS XRF Monitors for mineral sands, 38 Elements, Ø40x3-4 mm	disc	%		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X

Code	Product	Unit	Unit Value	La	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	S	Sb	Sc	Se	Si	Sn
CD AUSMON SULPHIDES	SUS XRF Monitors, Ni,Cu,Zn+Pb sulfides, 32 Elements, Ø40x3-4 mm	disc	%		X	X	X	X			X	X	X		X	X		X	X	X
CD AUSMON MINERAL SANDS	SUS XRF Monitors for mineral sands, 38 Elements, Ø40x3-4 mm	disc	%	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X

Code	Product	Unit	Unit Value	Sr	Te	Th	Ti	Tl	U	V	Y	Yb	Zn	Zr
CD AUSMON SULPHIDES	SUS XRF Monitors, Ni,Cu,Zn+Pb sulfides, 32 Elements, Ø40x3-4 mm	disc	%	X	X		X	X	X				X	
CD AUSMON MINERAL SANDS	SUS XRF Monitors for mineral sands, 38 Elements, Ø40x3-4 mm	disc	%	X		X	X		X	X	X	X	X	X

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Al	Ba	Br	Ca	Ce	Cl	Dy	Er	Eu	F	Fe	Gd	Hf	Ho	K	La	Lu
CD AUSMON RARE EARTH	SUS XRF Monitors rare earth minerals, 39 Elements, Ø40x3-4 mm	disc	%	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Code	Product	Unit	Unit Value	Mg	Mn	Na	Nb	Nd	Ni	P	Pb	Pr	S	Sc	Si	Sm	Sr	Tb	Th	Ti
CD AUSMON RARE EARTH	SUS XRF Monitors rare earth minerals, 39 Elements, Ø40x3-4 mm	disc	%	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Code	Product	Unit	Unit Value	Tm	U	Y	Yb	Zr
CD AUSMON RARE EARTH	SUS XRF Monitors rare earth minerals, 39 Elements, Ø40x3-4 mm	disc	%	X	X	X	X	X

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag	Al	As	Ba	Bi	Br	Ca	Cd	Cl	Co	Cr	Cu	F	K	Mg	Mn	Mo
CD AUSMON CEMENT A	SUS XRF Monitors for cements, 19 Elements, XRF Ø40x3-4 mm	disc	%		X		X		X	X		X		X		X	X	X	X	
CD AUSMON CEMENT B	SUS XRF Monitors for cements, 9 Elements, XRF Ø40x3-4 mm	disc	%		X					X		X					X	X		
CD AUSMON IRON ORES	SUS XRF Monitors for iron ores, Ø40x3-4 mm	disc	%		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CD AUSMON MANGANESE ORES	SUS XRF Monitors for manganese ore, 13 Elements, Ø40x3-4 mm	disc	%		X		X		X	X							X	X	X	
CD AUSMON NICKEL ORES	SUS XRF Monitors for Nickel ores, 25 Elements, Ø40x3-4 mm	disc	%	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X

Code	Product	Unit	Unit Value	Na	Ni	P	Pb	S	Sb	Se	Si	Sn	Sr	Ti	V	Zn
CD AUSMON CEMENT A	SUS XRF Monitors for cements, 19 Elements, XRF Ø40x3-4 mm	disc	%	X		X	X	X			X		X	X		X
CD AUSMON CEMENT B	SUS XRF Monitors for cements, 9 Elements, XRF Ø40x3-4 mm	disc	%	X		X					X					
CD AUSMON IRON ORES	SUS XRF Monitors for iron ores, Ø40x3-4 mm	disc	%	X	X	X	X	X	X		X	X		X	X	X
CD AUSMON MANGANESE ORES	SUS XRF Monitors for manganese ore, 13 Elements, Ø40x3-4 mm	disc	%	X		X	X				X		X	X	X	
CD AUSMON NICKEL ORES	SUS XRF Monitors for Nickel ores, 25 Elements, Ø40x3-4 mm	disc	%	X	X	X	X	X		X	X			X		X

XRF Glass Monitor Samples

Application Specific Glasses

Code	Product	Unit	Unit Value	Al2O3	As2O3	B2O3	BaO	CaO	CdO	CeO2	F	Fe2O3	K2O	La2O3	MgO	Na2O	P2O5	PbO	SO3	Sb2O3
XRF-2/L	SUS XRF - Setting Up Sample, Ø 40x8-10 mm	disc	%	4.68	0.5	13.8	2.9	3.93	0.43	1.01		0.1	3.12	1	6.73	6.82	1.26	3.04	0.12	0.5

Code	Product	Unit	Unit Value	SiO2	SrO	TiO2	ZnO	ZrO2
XRF-2/L	SUS XRF - Setting Up Sample, Ø 40x8-10 mm	disc	%	44.6	0.7	0.99	2.67	0.5

Code	Product	Unit	Unit Value	CaF2
XRF-U29	SUS Fluorite Mineral - XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	>95

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	BaO	Bi2O3	Br	CaO	CdO	CeO2	Cl	Co3O4	Cr2O3	CuO	Dy2O3	Er2O3	F	Fe2O3
FLX-S13-F	SUS Reference material XRF glass for recalibration, monitoring multielement, D=40mm	disc	%	0.24	4.06	0.21	1.4	2.19	0.42	5.76	0.48	0.5	0.46	0.46	0.52	0.49	0.31	0.26	1.26	0.5

Code	Product	Unit	Unit Value	Gd2O5	GeO2	HfO2	In2O3	K2O	La2O3	MgO	MnO	MoO3	Na2O	Nb2O5	Nd2O3	NiO	P2O5	PbO	Pr6O11	Rb2O
FLX-S13-F	SUS Reference material XRF glass for recalibration, monitoring multielement, D=40mm	disc	%	0.3	0.1	0.31	0.29	5.32	0.48	1.96	0.5	0.31	7.97	0.32	0.41	0.54	0.58	2.01	0.31	0.12

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	SO3	Sb2O3	Sc2O3	SeO2	SiO2	SiO2	Sm2O3	SnO2	SrO	Ta2O5	TeO2	TiO2	V2O5	WO3	Y2O3	Yb2O5	ZnO
FLX-S13-F	SUS Reference material XRF glass for recalibration, monitoring multielement, D=40mm	disc	%	0.53	0.19	0.11	0.02	46.98	46.98	0.28	0.46	1.13	0.53	0.49	0.51	0.51	0.48	0.21	0.21	1.01

Code	Product	Unit	Unit Value	ZrO2
FLX-S13-F	SUS Reference material XRF glass for recalibration, monitoring multielement, D=40mm	disc	%	0.52

Glasses for Cement Analysis

Code	Product	Unit	Unit Value	Al2O3	B2O3	Br	CaO	CdO	Cl	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	PbO	SO3	Sb2O3	SiO2
XRF-ACEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	21.68	19.88		10.35				11.93	3.14	7.03	0.18	11.15	0.2	2	0.5	2	9.56
XRF-BCEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	4.88	2.4		35				2.25	0.99	2.37	0.009	2.12	0.01		0.5	0.31	49.15
XRF-CCEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	5	10.5		40	0.5			2	2	8	1.5	1	1.5		1	0.5	15
XRF-DCEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	7	20.55	0.1	40	0.25	0.5	0.1	3	0.5	5	0.1	1.5	0.5		0.5		20
XRF-ECEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	7	20.55	0.1	40		0.5	0.1	3	0.5	5	0.1	1.5	0.5		0.75		20

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	SrO	TiO2	ZnO
XRF-ACEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.2	
XRF-BCEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.01	
XRF-CCEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		1.5	10
XRF-DCEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.1	0.2	0.1
XRF-ECEM	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.1	0.2	0.1

Restriction of Hazardous Substances (RoHS)-Glasses

Code	Product	Unit	Unit Value	Al2O3	B2O3	Br	CaO	CdO	Cl	Cr2O3	MgO	Na2O	PbO	Sb2O3	SiO2
XRF-ROHS1	SUS XRF - Setting Up Sample: RoHS, Ø 40 x 5 mm	disc	%	7	5.5		10				6.5	17		1	53
XRF-ROHS2	SUS XRF - Setting Up Sample: RoHS, Ø 40 x 5 mm	disc	%	7	4.536	0.1	10	0.011	0.5	0.146	6.5	17	0.107	1.1	53
XRF-ROHS3	SUS XRF - Setting Up Sample: RoHS, Ø 40 x 5 mm	disc	%	7	2.118	0.5	10	0.114	1	0.73	6.5	17	0.538	1.5	53

Quartz Glass

Code	Product	Unit	Unit Value	Al2O3	CaO	Fe2O3	K2O	Na2O	SiO2	TiO2
XRF-K1/3	SUS SiO2, Quarz, monokrist. SUS-sample, Ø 40x6 mm	disc	%	0.17	0.02	0.02	0.07	0.1	99.5	0.02

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Al2O3	BaO	Cl	MgO	N2	SO3	Si
XRF-CLSN	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	19.82	21.73	9.69	26.03	4.55	11.35	6.82

Code	Product	Unit	Unit Value	Al2O3	B2O3	BaO	CaO	CoO	Fe2O3	Fe3O4	FeO	Na2O	SiO2	ZnO
XRF-FE2FE3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	1.7	0.8	7.8	2.5	0.01	5.5	9.7	4.2	17.3	67.3	0.6

Glasses of Series U

Code	Product	Unit	Unit Value	Al2O3	As2O3	B2O3	BaO	CaO	CdO	CeO2	Cl	Cr2O3	CuO	F	Fe2O3	GeO2	K2O	La2O3	MgO	MoO3
XRF-U4/2	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1				2	0.4					1.2	0.05		0.6			
XRF-U7	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	7.1		0.5	0.5	3.6			0.6			2.8	0.14		5.1		0.05	
XRF-U12	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	7				4.5						6	0.02		2.5		0.05	
XRF-U13	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1.5				7.5						1	0.06		3			
XRF-U14	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1.3			1.3	7.7							0.05		5.3		0.07	
XRF-U16	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		1.5	24				1					0.1	1.5	5	1	10	1
XRF-U17	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	1.7				7.9				0.6	1	0.5	0.1		3.5			

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	Na2O	P2O5	PbO	SO3	Sb2O3	SiO2	SnO2	SrO	Ta2O5	V2O5	WO3	ZnO
XRF-U4/2	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	12			1.7		67						15
XRF-U7	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	11.5	2.5	0.1		0.14	65.3		0.25				0.05
XRF-U12	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	14				0.2	65.5						2
XRF-U13	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	13.5			0.25	0.25	71.5						1
XRF-U14	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	12.1			0.28	0.36	71		0.2				
XRF-U16	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	10		2			40	0.5		0.1	1.5	1.07	
XRF-U17	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	13			0.1	0.18	70.5						0.6

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag2O	Al2O3	B2O3	BaO	Bi2O3	Br	CaO	CdO	Cr2O3	CuO	F	Fe2O3	I	K2O	Li2O	MgO	MnO
XRF-U22	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.5	7	8		0.5	0.1	10						0.1			6.5	
XRF-U25	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		3					6.9		0.27	0.18	0.3	0.34		2.9		0.15	6
XRF-U27	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		1.4					10					0.2		0.4			
XRF-U30	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		20	22													14	
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		1.5					20		2			16		3			
XRF-U32	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%														30			
XRF-U33	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		0.3					56					0.2			43.95		
XRF-U34	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%				7.8			6.5		0.25	0.1		0.03		5.4			
XRF-U35	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		1.2	3				0.75	0.52			0.5	0.05		5.3		0.02	
XRF-U38	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		1.2					5.3				0.5	0.04		7.5		0.07	

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	Na2O	Nd2O3	NiO	P2O5	PbO	Pr6O11	SO3	Sb2O3	SeO2	SiO2	TiO2	UO2	ZnO
XRF-U22	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	16	0.5	2	0.3		0.516				45			1
XRF-U25	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	9.3						0.12	0.2		69.3		0.096	0.8
XRF-U27	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	14.5						0.04			73			
XRF-U30	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	14												
XRF-U31B	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%				1	4		0.4			49.1	3		
XRF-U32	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	10									60			
XRF-U33	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%										0.3			
XRF-U34	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	9.3							0.35		69.7			
XRF-U35	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	13.5						0.1	0.03	0.05	60.5			14.5
XRF-U38	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	9.2	2.5					0.11	0.2		72			1.1

XRF Glass Monitor Samples

Special Glasses

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	CaO	CdO	Cl	CoO	Cr2O3	CuO	Fe2O3	In2O3	K2O	MgO	MnO
XRF-DEA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.378		0.67			5.6		0.2		0.292	0.25	0.286		7.7		
XRF-DEA2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.945		0.67			5.6		0.5		0.731	0.625	0.715		7.7		
XRF-HKM1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		10		32											5		
XRF-HKM2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		11		5.98								0.03	3		5		4.65
XRF-WIE1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.11	0.19	0.13	9.05	2	0.11	3	0.12		0.13	0.15	0.13	0.15	0.12	12	0.17	0.13
XRF-WIE2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.54	1.89	0.66	5	2	0.56	3	0.57		1.27	1.46	2.5	2.86		5	1.66	2.58
XRF-WIE3/I	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		18.9		20			5						14.3	1.21	3		
XRF-AK1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					5		10	5							2	3.38	
XRF-AK2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					1		1	1							0.5	4	

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	MoO3	Na2O	Nb2O5	NiO	P2O5	PbO	SO3	Sb2O3	SeO2	SiO2	SnO2	Ta2O5	TeO2	TiO2	V2O5	WO3	ZnO
XRF-DEA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		9.54		0.254	0.458	0.23	0.53	0.5		73.193							0.249
XRF-DEA2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		9.4		0.636	1.146	0.575	0.125	0.5		69.294							0.623
XRF-HKM1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	2.5	10	2							35.6		0.4			2.5		
XRF-HKM2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	4	10	4	0.07	0.02					41.4				5	5.5		
XRF-WIE1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.15	17	0.14	0.13	0.23	0.11	0.25	0.12	0.14	53.1	0.11		0.125	0.17	0.18	0.13	0.12
XRF-WIE2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		14		2.55	1.15	2.15	1.25	0.6	0.625	38.95	2.27		0.625	0.83			2.49
XRF-WIE3/I	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	1.43	11	1.43					2		7.28	11.32				1.8	1.26	
XRF-AK1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		10				5	1.8			47.82							10
XRF-AK2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		10				50	0.67			30.83							1

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	ZrO2
XRF-DEA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-DEA2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-HKM1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-HKM2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-WIE1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.14
XRF-WIE2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.68
XRF-WIE3/I	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-AK1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-AK2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Al2O3	As2O3	B2O3	BaO	Bi2O3	CaO	CdO	Cl	CoO	Cr2O3	CuO	F	Fe2O3	Ga2O3	K2O	MgO	MnO
XRF-AAC1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	10	0.75	6			2.25				1			2.75	0.5	0.75	7	1.75
XRF-AC1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%						4.86				0.4					2.5	3.04	5.36
XRF-AL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	25		16												5		4
XRF-AL2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	12	0.5	20			0.5	2									3	25
XRF-AN1/1	SUS XRF - Setting Up Sample, Ø 40x5mm	disc	%	22.6		61.43	0.89	1.2	0.03	1.04	0.1		0.68	0.8		0.1		0.83	0.6	
XRF-AX1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	5.67	0.6	5		0.01	2.8					2.5		4.29		6.02	0.83	
XRF-AX2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	5.67					21.4					6.26	1	14.3		2.4	3.32	
XRF-AX3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	18.89		23.28			7					1.25		12		3.14	7.03	
XRF-BG1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			2			12			0.36						18.8		
XRF-BG18	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			3.5	11.5							3.6				1		
XRF-CZ	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	1.8	0.1				4.8						3.6			0.9		

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	MoO3	Na2O	Nb2O5	NiO	P2O5	PbO	SO3	Sb2O3	SiO2	SnO2	SrO	Ta2O5	TiO2	V2O5	Y2O3	ZnO	ZrO2
XRF-AAC1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.65	7.18	0.5		12				39.67		1.25		1.75	1.5	0.5	1.75	0.5
XRF-AC1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		15.79							66.84								
XRF-AL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		10			27				10				3				
XRF-AL2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		12			1		0.5		19.4	0.5		0.5				2	0.5
XRF-AN1/1	SUS XRF - Setting Up Sample, Ø 40x5mm	disc	%		1.7		0.78	0.4	0.92	0.5		3				0.6	0.6		1.2	
XRF-AX1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.01	14			1.15	1.08	1.25		52.3							2.49	
XRF-AX2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					2.33	0.54			42.78								
XRF-AX3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		11.15			0.2	4	0.5	2	9.56								
XRF-BG1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%									66.84								
XRF-BG18	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%									78.4							1	
XRF-CZ	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		12							77								0.1

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Br	CaO	CdO	Cl	CoO	Cr2O3	Cs2O	CuO	Fe2O3	GeO2	I	K2O
XRF-BP1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				5			3										12
XRF-BP1/3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				10.85			3				0.15						12
XRF-BP1/5	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				6.4			3				0.6						12
XRF-BP1/6	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				4.2			3				0.8						12
XRF-BP1/7	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				1			3				1						12
XRF-BP2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		20.33	1	36			14				0.07						
XRF-CH-A	SUS XRF-monitor glass, Ø 32x5 mm	disc	%		3		25			30		1	1			1	1	1		1
XRF-CH-B	SUS XRF-monitor glass, Ø 32x5 mm	disc	%		1					1	1									1
XRF-CH-C	SUS XRF-monitor glass, Ø 32x5 mm	disc	%				9		1	3					1				1	7
XRF-CH-D	SUS XRF-monitor glass, Ø 32x5 mm	disc	%	1	8	1	7	1		1			1	1		1	1			1

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	MgO	MnO	MoO3	Na2O	NiO	P2O5	PbO	SO3	Sb2O3	SeO2	SiO2	SnO2	SrO	TiO2	V2O5	WO3	ZnO
XRF-BP1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				17					0.5		55.5			7			
XRF-BP1/3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				17					0.5		55.5			1			
XRF-BP1/5	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				17					0.5		55.5			5			
XRF-BP1/6	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				17					0.5		55.5			7			
XRF-BP1/7	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				17					0.5		55.5			10			
XRF-BP2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	6			12					2		4.27			0.33			4
XRF-CH-A	SUS XRF-monitor glass, Ø 32x5 mm	disc	%	2			2	1	1			1		28						1
XRF-CH-B	SUS XRF-monitor glass, Ø 32x5 mm	disc	%				13				1	1	1	65						15
XRF-CH-C	SUS XRF-monitor glass, Ø 32x5 mm	disc	%		1		12			1		1		59	1		1	1	1	
XRF-CH-D	SUS XRF-monitor glass, Ø 32x5 mm	disc	%		1	1	16	1		1		1		50	1	1	1			1

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	ZrO2
XRF-BP1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-BP1/3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-BP1/5	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-BP1/6	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-BP1/7	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-BP2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	
XRF-CH-A	SUS XRF-monitor glass, Ø 32x5 mm	disc	%	
XRF-CH-B	SUS XRF-monitor glass, Ø 32x5 mm	disc	%	
XRF-CH-C	SUS XRF-monitor glass, Ø 32x5 mm	disc	%	
XRF-CH-D	SUS XRF-monitor glass, Ø 32x5 mm	disc	%	1

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	Br	CaO	CdO	CeO2	Cl	CoO	Cr2O3	Cs2O	CuO	Fe2O3	Ga2O3
XRF-CH1	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%		28	0.8	20	1	1			0.15							7	
XRF-CH2	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	0.1	19	2.2	14.94		0.18		14		1						0.6	
XRF-CH3	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	0.5	15	0.5	5	5	0.08		0.6				1	0.6	0.05	0.3		1
XRF-CH4	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%		3		1.82	0.3			4	1	0.4		0.5	0.1	0.15	2	0.1	0.1
XRF-DK1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				16				4									
XRF-DSH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.93	21.82		41.82	0.89			0.71	2		0.6		0.68		0.8	0.7	
XRF-DSH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		21.8		45	0.89	1.2		0.71					0.68		0.8	0.7	
XRF-ECH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		2.8					0.2	10				2				5	
XRF-ECH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		2.8		15.18			0.02	10				0.25				1	

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	GeO2	In2O3	K2O	La2O3	MgO	MnO	MoO3	Na2O	Nb2O5	Nd2O3	NiO	P2O5	PbO	Pr6O11	PtO2	Rb2O	SO3
XRF-CH1	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	0.3		8			0.5		6.5	0.7	0.5	0.3	14		0.413		0.04	
XRF-CH2	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	1.5			1	10		1	11		0.1		5	3				
XRF-CH3	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%		0.1	2	0.3	0.1	12		16			2	0.6	0.5	0.155			
XRF-CH4	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%		0.4	20		1		0.2	0.8	0.1		0		0.1			0.2	
XRF-DK1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			6												0.58		
XRF-DSH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.83		0.6	2	0.66	17			0.78	0.57	0.92				0.5
XRF-DSH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.83		0.6			17.82			0.78	0.57	0.92				0.5
XRF-ECH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%						5		17			2	3					
XRF-ECH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%						1		17			0.5	0.75					

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	Sb2O3	SiO2	SnO2	SrO	Ta2O5	ThO2	TiO2	UO2	V2O5	WO3	Y2O3	ZnO	ZrO2
XRF-CH1	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%		9.11				0	0.1	0.1	0.3	1.2			
XRF-CH2	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	2	4		0.5		0.18			1.5	0.4		6.6	0.2
XRF-CH3	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	0.4	31.83	0.8	0.1	0.06	0.44	1				0.2	1.8	
XRF-CH4	SUS XRF-monitor glasses, Ø 40x5 mm	disc	%	1	56	0.2		0.6	0.33	2	0.5	0.7	0.1	0.6	0.8	1
XRF-DK1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.5	72.92											
XRF-DSH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3	0.79				0.6					0.8	
XRF-DSH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3					0.6		0.6			0.8	
XRF-ECH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	1	51					1						
XRF-ECH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.25	51					0.25						

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Al2O3	As2O3	B2O3	BaO	Br	CaO	CdO	Cl	CoO	Cr2O3	CuO	F	Fe2O3	GeO2	I	K2O	Li2O
XRF-EKO1	SUS XRF - Setting Up Sample, Ø 40x5 mm = XRF-EKO10	disc	%		0.13	0.74	2.24		4.96	0.02		0.38	1.17	0.63					6.82	
XRF-FR2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.015		10			0.011		0.006								3.4	
XRF-GE	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.75			0.025		0.15	0.8					0.4	0.1			7.5	0.1
XRF-GE2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.75			0.025		0.15	0.8					0.4	0.1			7.5	0.1
XRF-GE3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.75		7	0.025		0.15	0.8						0.1			7.5	0.1
XRF-GS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.95				0.03	0.3		0.5	0.07	0.15	0.025		0.07	0.03	0.1	3	
XRF-H1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	4					3.8										8.7	
XRF-HAD1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			27.117			0.069							0.071			8	
XRF-HPII	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	25		20													5	
XRF-K	SUS XRF - Setting Up Sample - hygroscopic !!!, Ø 40x5 mm	disc	%	2.96			0.98		1.97										30.5	
XRF-KA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	20		20.79			10							0.01			1	

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	MgO	MnO	MoO3	Na2O	NiO	P2O5	PbO	SO3	Sb2O3	SeO2	SiO2	SnO2	TiO2	V2O5	ZnO	ZrO2
XRF-EKO1	SUS XRF - Setting Up Sample, Ø 40x5 mm = XRF-EKO10	disc	%			0.3	8.54	0.64		0.65		0.44		67.14	0.64		0.89	3.73	
XRF-FR2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.013			9		0.014	3	0.022	1		73.5		0.008		0.007	0.004
XRF-GE	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				9.5			0.05	0.5		0.21	68.4		0.025		11.5	0.05
XRF-GE2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				9.5			0.05	0.5	0.5	0.21	67.9		0.025		11.5	0.05
XRF-GE3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				9.5			0.05	0.5	0.5	0.21	61.3		0.025		11.5	0.05
XRF-GS1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	8.3	0.06	1	13.5	0.025	1.15			0.66		69.705		0.17	0.18	0.025	
XRF-H1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	2.6			6.2			23.5				51.1					
XRF-HAD1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	4			0.067	0.019	0.037	0.016		0.5		55		5	0.089	0.018	
XRF-HPII	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				10		30					10					
XRF-K	SUS XRF - Setting Up Sample - hygroscopic !!!, Ø 40x5 mm	disc	%	1.97						8.87		0.49		52.26					
XRF-KA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	15			11		2		0.2	1		4				15	

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	Br	CaO	CeO2	Cl	Cr2O3	CuO	Fe2O3	K2O	La2O3	MgO	MoO3
XRF-HS2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			1.5	14.5					1.5						1.5		1
XRF-HS3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.5	7		2		0.5	0.2	10								6.5	
XRF-HS4	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				5							1.2		7	12			
XRF-KC1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		73.5		2						0.5				15			
XRF-KC2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		73.5		2			0.01			0.5			0.003	15		0.008	
XRF-KN1	SUS XRF - Setting Up Samples, Ø 40 x 5 mm - 2 Pcs	disc	%				6		0.9		0.3				0.7		12			
XRF-K/2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		2.96			0.98			1.97						30.5		8	
XRF-LK1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				9.68	0.15			3						12			
XRF-LOE1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		10		4	0.006			0.014		0.005		0.001		12		0.002	0.03
XRF-LOE2/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				11.08	0.69			0.7		0.45		0.19		12		0.75	0.69
XRF-LOE2-2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				11.08	0.69			0.7		0.45		0.19		12		0.75	0.69

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	Na2O	Nb2O5	NiO	P2O5	PbO	SO3	Sb2O3	SiO2	SnO2	SrO	TiO2	V2O5	WO3	ZnO
XRF-HS2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	16.25			5	1.5		1	48.75	1.12			4	1	
XRF-HS3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	17.1		2				1	51.2						1
XRF-HS4	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	17.7	1		1		0.5	0.5	53.1			2			
XRF-KC1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	2				4		1							2
XRF-KC2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	2				4	0.013	1				0.014			2
XRF-KN1	SUS XRF - Setting Up Samples, Ø 40 x 5 mm - 2 Pcs	disc	%	17.7				0.4		0.5	61		0.5				
XRF-K/2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					8.87		0.49	46.23						
XRF-LK1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	17				0.21		1.19	55.14	0.63		0.33			0.74
XRF-LOE1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	17			0.018		0.5	1	55.4						0.025
XRF-LOE2/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	17			1.05		1.87	1	51.96						0.57
XRF-LOE2-2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	17			1.05		1.87	1	51.95						0.57

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	Bi2O3	Br	CaO	CdO	CoO	Cr2O3	CuO	F	Fe2O3	K2O	MgO	MnO
XRF-ME1	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		0.049		28.26	0.027	0.027		0.035							0.03	0.041	
XRF-ME2	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.026	10						20	0.028	0.031	0.03	0.031		0.036		15	0.033
XRF-MM1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		9		31.1		0.3		3						0.5	2	5	10
XRF-OS1	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		15.11	2	26.68				14								13.43	
XRF-PL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		7		8			1	6								7.5	
XRF-PN1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%								2	7.2	1			1				
XRF-PTL	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%				11.15				5			1.2	1.2				5	
XRF-RB	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%							0.1	3.94							10.77	3.94	
XRF-SA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3		10			0.1	0.2							10.4	0.8	
XRF-SF1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.5												3.2		
XRF-SF6	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.3												2		

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	MoO3	Na2O	NiO	P2O5	PbO	Rb2O	SO3	Sb2O3	SeO2	SiO2	SnO2	SrO	TeO2	TiO2	V2O5	ZnO
XRF-ME1	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		15	0.031					0.5		51				2		3
XRF-ME2	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	0.037	0.033		2	0.026					52.53		0.03		0.041	0.044	0.031
XRF-MM1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		16	2	0.5	4		0.1	0.5	1.4	6	1			3		5
XRF-OS1	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		10.78		5				2		5						6
XRF-PL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		18.1								51.4						1
XRF-PN1/1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		9.8					2		1.4	59			1.25			16
XRF-PTL	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		17	1.2		0.25			0.5		52	4.5					1
XRF-RB	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		6.9				0.11		0.49		73.75						
XRF-SA1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		1.9						1		70.6						2
XRF-SF1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%					62.2					34.1						
XRF-SF6	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		1			71.5					25.2						

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Al2O3	B2O3	BaO	CaO	CdO	Cl	Cr2O3	CuO	F	Fe2O3	K2O	MgO	MnO	MoO3	Na2O	NiO	P2O5
XRF-SHE	SUS Glas Monitor samples - Set of 2, Ø 40x5 mm	disc	%	0.1	8.52		0.14		0.01				0.01	2.5	0.37			14	0.01	
XRF-SH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		22.648			1						5						
XRF-SH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		22.41			1						5						
XRF-SH4	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		20.998		0.014	1					0.018	5				0.019	0.012	
XRF-SOL0	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		9.15	1.2	0.15							12				17		
XRF-SOL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		8.8	1.2	0.15							12				17		
XRF-SP1-1	SUS XRF - Setting Up Sample - SO3: 0,05%, Ø 40x5 mm	disc	%	5	25.65		40.6		0.2				2	2	8			1		
XRF-SP2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	9	19.5		30		0.7				5	2	6			2		
XRF-SS3	SUS XRF-SUS-sample: Steel Slag, Ø 40x5 mm	disc	%	17.6	16.6		24			0.2			10.5	0.4	4.1	3.5				0.9
XRF-STF4	SUS 2 XRF-SUS-samples, Ø 40x3-6 mm	disc	%	12.09	31.56							4	2.7	0.35	2.89	0.36		4.04		0.62
XRF-SVCL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.8	2.3	0.1	3.1		0.9		1.5		0.1	5.8				8.4		
XRF-TEL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	5	2	0.2	8.39		0.4	0.2	0.2	1.5	0.43	1.2	5	0.2	0.2	12		0.5

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XRF Glass Monitor Samples

Continued from previous page

Code	Product	Unit	Unit Value	PbO	SO3	Sb2O3	SiO2	SnO2	SrO	TiO2	V2O5	ZnO	ZrO2
XRF-SHE	SUS Glas Monitor samples - Set of 2, Ø 40x5 mm	disc	%	0.01	0.2	0.5	73.2				0.04	0.25	0.14
XRF-SH1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.012		51.34					20	
XRF-SH2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.25		51.34					20	
XRF-SH4	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		1.5		51.34				0.089	20	
XRF-SOL0	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.5	55.5		1.5				
XRF-SOL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.35	0.5	55.5		1.5				
XRF-SP1-1	SUS XRF - Setting Up Sample - SO3: 0,05%, Ø 40x5 mm	disc	%		0.05	0.5	15						
XRF-SP2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.3	0.5	25						
XRF-SS3	SUS XRF-SUS-sample: Steel Slag, Ø 40x5 mm	disc	%				21.4			0.8			
XRF-STF4	SUS 2 XRF-SUS-samples, Ø 40x3-6 mm	disc	%			0.5	35.62			0.27		5	
XRF-SVCL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	7.4			67.4	1.8		0.5			
XRF-TEL1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.2	0.1	0.5	61.58			0.2			

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Ag2O	Al2O3	As2O3	B2O3	BaO	CaO	CdO	CoO	Cr2O3	CuO	Fe2O3	K2O	Li2O	MgO	MnO	Na2O	NiO
XRF-TAB1/2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3			2	0.3						2				40	
XRF-TAB2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3			2	0.2						7		3.6		35	
XRF-TAB3	SUS XRF-SUS-Sample hygroscopic !!!, Ø 40x5 mm	disc	%		3			2	0.3						30		8		9	
XRF-TAB4	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3			2	0.03						31		1		2	
XRF-TAB5	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3		15	2									28		10	
XRF-TL2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.5		9.3							0.1	15	5			15	
XRF-TL3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.7	13		4					0.1	10				18	
XRF-TU-M1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.021	2	0.033	9.456	0.022	3	0.022	0.025	0.029	0.025	0.029	10		5	0.032	17	0.025
XRF-UG1	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%			0.3	2				0.904				16				1	3.5
XRF-UG5	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%		6			11			8.99				3.7					2.43

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	P2O5	PbO	Sb2O3	SeO2	SiO2	SnO2	TiO2	Tl2O3	V2O5	ZnO	ZrO2
XRF-TAB1/2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.6		49.1						
XRF-TAB2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%			0.6		45.6						
XRF-TAB3	SUS XRF-SUS-Sample hygroscopic !!!, Ø 40x5 mm	disc	%		3	0.6		44.1						
XRF-TAB4	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3	0.6		57.37						
XRF-TAB5	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		3	0.6		38.4						
XRF-TL2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.1	10			10		5				30
XRF-TL3	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	1				53						
XRF-TU-M1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%		0.021	0.024	0.028	51	0.031	2	0.022	0.044	0.025	
XRF-UG1	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%					56.2					20	
XRF-UG5	SUS XRF - Setting Up Sample, Ø 38-40x3-6 mm	disc	%	67.88										

XRF Glass Monitor Samples

Code	Product	Unit	Unit Value	Al2O3	As2O3	B2O3	CaO	CdO	Cr2O3	CuO	F	Fe2O3	K2O	MgO	MnO	Na2O	NiO	P2O5	PbO	SO3
XRF-V1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%				1.93	0.26			1.23		7.79			12.15				
XRF-VA1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	0.5		20.96	2.79					4.27	0.1	3.31	0.64	0.4		0.23	50	0.3
XRF-VA2/2	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	10		8.7	15					12	5	15	4	14		3		0.1
XRF-VA3	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	1		15	11.19				1.5	15	0.4	6.63	2.58	0.04		0.04	41.5	0.12
XRF-VM1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%		0.002	10		0.002	0.002	0.002			12			17.7	0.002		0.002	
XRF-WR1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	13		30	30		1.5			0.1	2	5	0.2	5		0.1		0.1
XRF-WR2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.1		40	1		0.1			9	5	15	0.5	10		0.5		0.5
XRF-Y1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%				4.99		0.13	2.62			2.16	3.12		16.6				
XRF-Z1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	3.9			2.25				4.7		5.27	1.65		12.48				

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XRF Glass Monitor Samples

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Code	Product	Unit	Unit Value	Sb2O3	Se	SiO2	TiO2	ZnO	ZrO2
XRF-V1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%		0.19	66.75		9.67	
XRF-VA1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%			1.2		15	
XRF-VA2/2	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%			13.2			
XRF-VA3	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%			5			
XRF-VM1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%	0.002		60.285			
XRF-WR1	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.5		12.5			
XRF-WR2	SUS XRF - Setting Up Sample, Ø 40x5 mm	disc	%	0.5		15.8	0.5		1.5
XRF-Y1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%			70.38			
XRF-Z1	SUS XRF - Setting Up Sample, Ø 40x6 mm	disc	%			67		2.75	

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Why Choose ARMI | MBH PTP?

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- Receive your blind sample, selected from our full stock of CRMs
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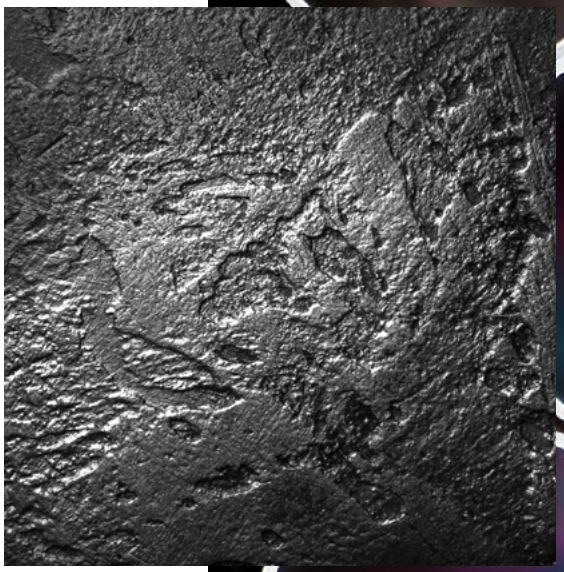

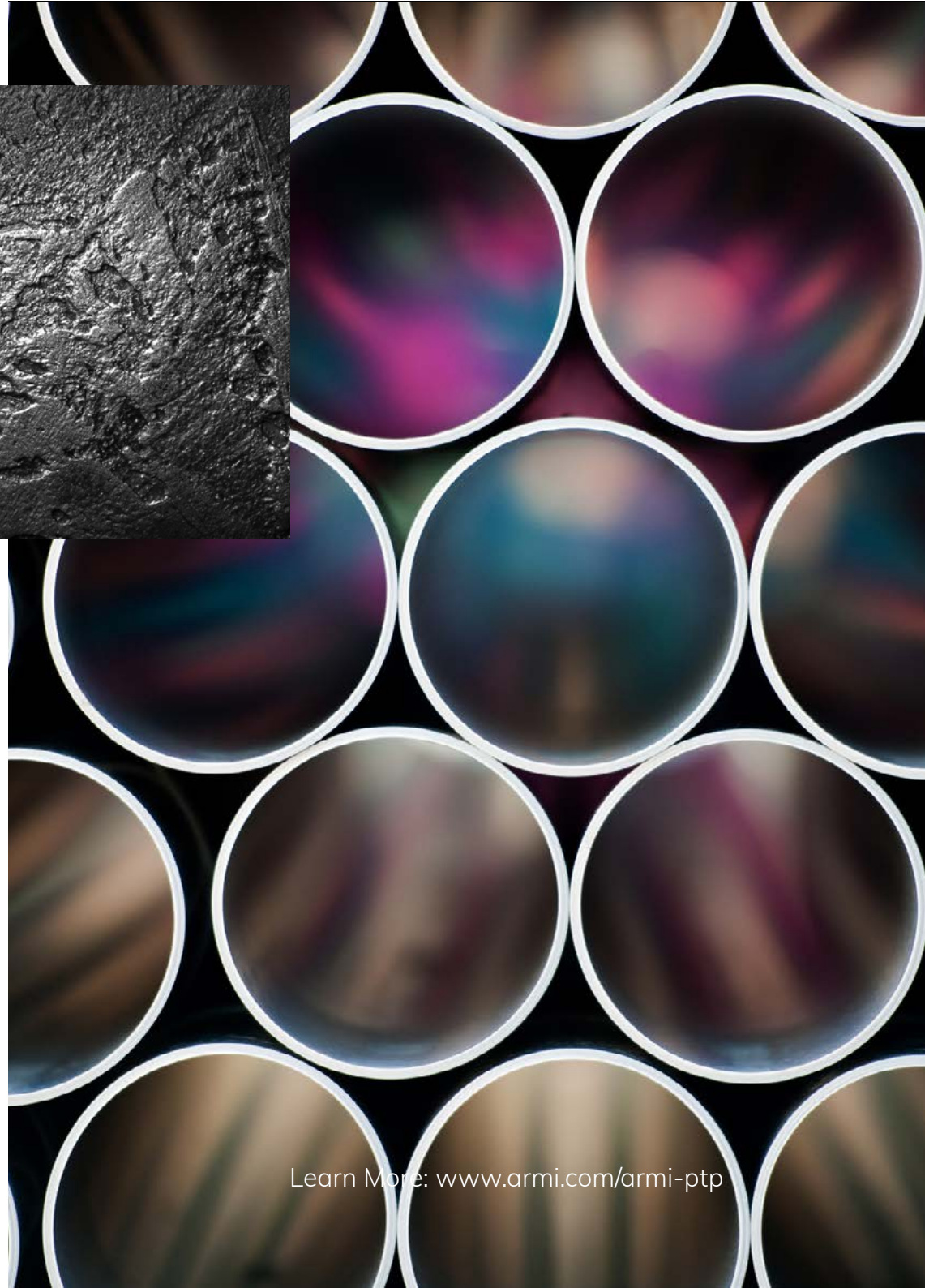

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The solution for high-throughput fusion laboratories

The Nieka GS-4 fluxer is a cost effective automatic fusion machine for XRF with 4 stations and a compact footprint. The G-series fusion components are enclosed in a built in safety cabinet that is locked during fusion until the cooling step is over, providing you with the safest operation.

For the first time in a gas fluxer, the G-series offers reliable temperature monitoring of the fusion process (patent pending). With a huge built in touch screen for easy editing of methods and monitoring of your fusion process, you can create perfectly homogeneous fused beads every time.

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- Efficiency and Repeatability - proprietary heating chambers allow a high thermal efficiency and higher fusion temperatures for difficult samples.
- Easy Installation - low pressure gas line and standard electrical outlet. no compressed air or oxygen is required.
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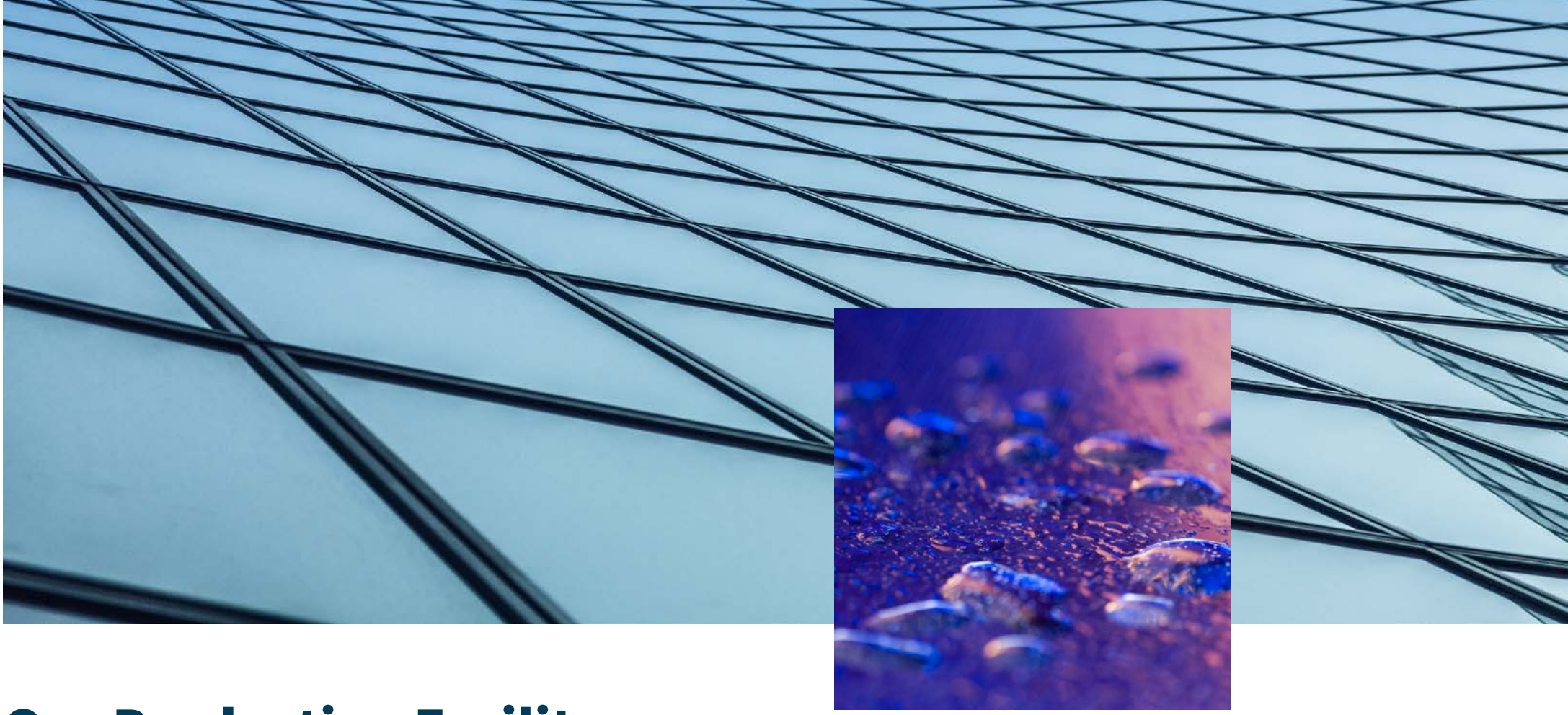

Our Production Facility

Our high-tech production facility in Manchester, NH is accredited to ISO 17034 as a producer of reference materials and ISO 17043 as a proficiency testing provider.

Our technicians utilize cutting-edge machining and engraving equipment to prepare and provide custom packaging for our range of over 1,400 metal alloy CRMs.

Our state-of-the-art analytical lab is accredited to ISO/IEC 17025 and is fully fitted with a wide array of testing equipment, including XRF, ICPOES and ICP-MS used for homogeneity and composition testing for our products.

Our expertise with various instrumentation allows us to quickly adapt to our customers' needs, create custom sample compositions, and custom reference materials when needed.

We always strive to provide our customers with the best possible service, and are continually expanding our range of product offerings to meet their needs.

Notes

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ARMI | MBH

ARMI | MBH reference materials are prepared and certified in Manchester, NH USA. All of our products are produced in our manufacturing facility accredited to ISO 17034 and certified to ISO 9001. They then pass rigorous quality control in our laboratory accredited to ISO/IEC 17025.

We have a state-of-the-art machine shop and an analytical laboratory with a comprehensive array of equipment. Our sales and technical team have extensive knowledge of analysis techniques and reference materials, and are ready to help you choose the right reference material for your specific needs.

Contact us directly at our main production and sales office for your reference material needs, or if you require a custom material.

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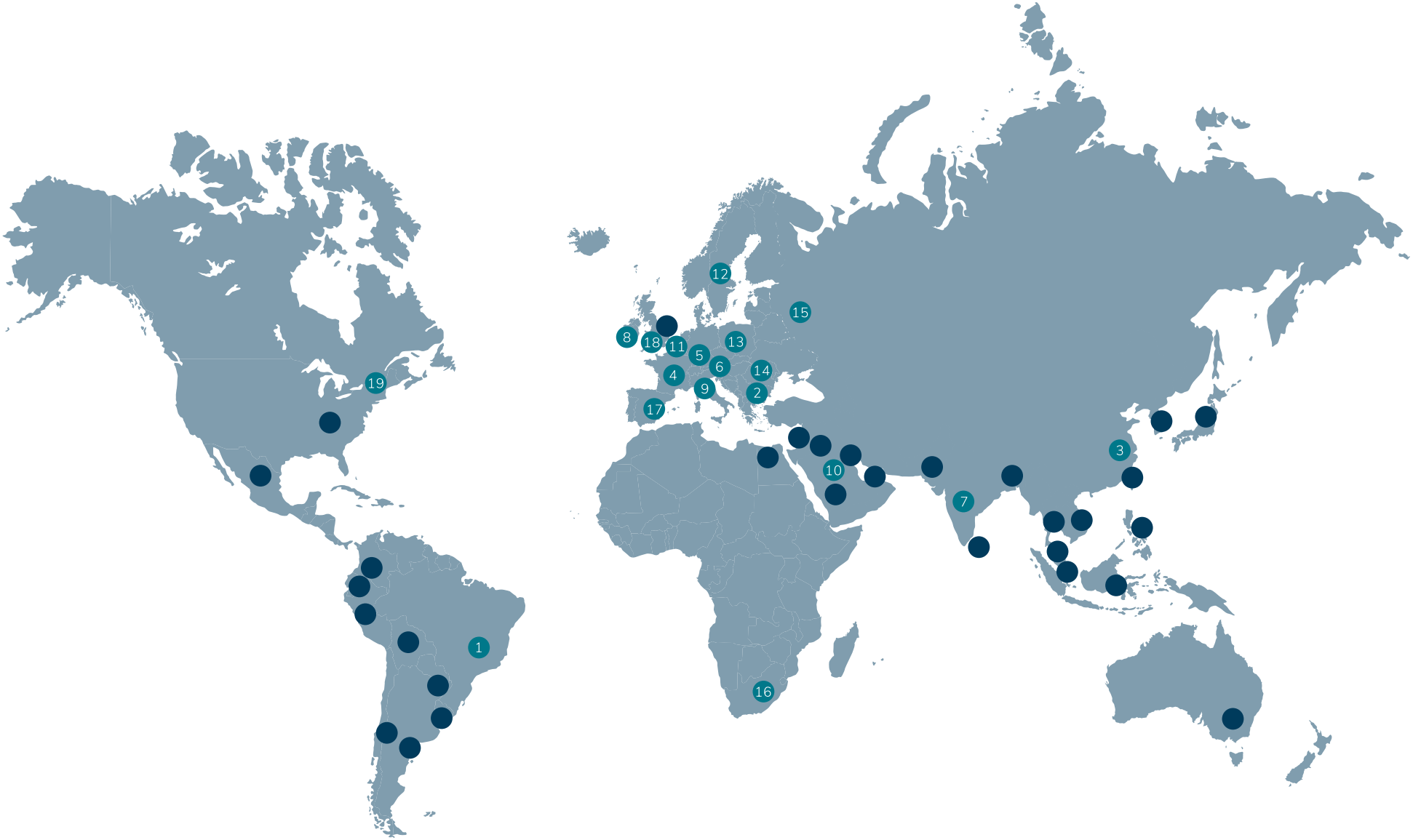

XRF Glass Monitor Sample Catalog

Monitor glasses for
X-ray fluorescence (XRF)

LGC Quality | ISO 17034 | ISO/IEC 17025 | ISO 9001 | ISO 17043

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