

AA Single Element



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Each standard is prepared from high purity starting materials, 18 megohm de-ionized water and high purity acids. Every standard is instrumentally assayed to verify concentration of specified element. Actual Lot Analysis is provided on the label and a Certificate of Analysis is included for ease of record keeping and availability at audits.

- Traceable to NIST Reference Materials
- Certificate of Analysis included
- Actual Concentration Analysis
- Most available in either Nitric or Hydrochloric acid matrix

Starting Material Matrix		NoHaz Size (No Hazardous shipping charge)		
		1000 µg/mL	10,000 µg/mL	25,000 µg/mL
Element	Unit	Cat. No.	Cat. No.	Cat. No.
Aluminum	20 mL	-----	AA01N-10X-20ML	AA01N-25X-20ML
	10% HCl (min.)	100 mL	AA01H-1	-----
	500 mL	AA01H-5	-----	-----
Antimony	20 mL	-----	AA02W-10X-20ML	-----
	H ₂ O tr. HNO ₃ tr.	100 mL	AA02N-1	-----
	Tartaric acid	500 mL	AA02N-5	-----
Arsenic	20 mL	-----	AA03N-10X-20ML	AA03N-25X-20ML
	2-5% Nitric acid	100 mL	AA03N-1	-----
	500 mL	AA03N-5	-----	-----
Barium	20 mL	-----	AA04N-10X-20ML	AA04N-25X-20ML
	2-5% Nitric acid	100 mL	AA04N-1	-----
	500 mL	AA04N-5	-----	-----
Beryllium	20 mL	-----	AA05N-10X-20ML	-----
	2-5% Nitric acid	100 mL	AA05N-1	-----
	500 mL	AA05N-5	-----	-----
Bismuth	20 mL	-----	AA06N-10X-20ML	AA06N-25X-20ML
	2-5% Nitric acid	100 mL	AA06N-1	-----
	500 mL	AA06N-5	-----	-----
Boron	20 mL	-----	AA07W-10X-20ML	-----
	Water tr. NH ₄ OH	100 mL	AA07W-1 *	-----
	500 mL	AA07W-5 *	-----	-----
Cadmium	20 mL	-----	AA08N-10X-20ML	AA08N-25X-20ML
	2-5% Nitric acid	100 mL	AA08N-1	-----
	500 mL	AA08N-5	-----	-----
Calcium	20 mL	-----	AA09N-10X-20ML	AA09N-25X-20ML
	2-5% Nitric acid	100 mL	AA09N-1	-----
	500 mL	AA09N-5	-----	-----
Cerium	20 mL	-----	AA11N-10X-20ML	AA11N-25X-20ML
	2-5% Nitric acid	100 mL	AA11N-1	-----
	500 mL	AA11N-5	-----	-----
Cesium	20 mL	-----	AA12N-10X-20ML	AA12N-25X-20ML
	2-5% Nitric acid	100 mL	AA12N-1	-----
	500 mL	AA12N-5	-----	-----
Chromium	20 mL	-----	AA13N-10X-20ML	AA13N-25X-20ML
	2-5% Nitric acid	100 mL	AA13N-1	-----
	500 mL	AA13N-5	-----	-----
Cobalt	20 mL	-----	AA14N-10X-20ML	AA14N-25X-20ML
	2-5% Nitric acid	100 mL	AA14N-1	-----
	500 mL	AA14N-5	-----	-----
Copper	20 mL	-----	AA15N-10X-20ML	AA15N-25X-20ML
	2-5% Nitric acid	100 mL	AA15N-1	-----
	500 mL	AA15N-5	-----	-----
Dysprosium	20 mL	-----	AA16N-10X-20ML	AA16N-25X-20ML
	2-5% Nitric acid	100 mL	AA16N-1	-----
	500 mL	AA16N-5	-----	-----
Erbium	20 mL	-----	AA17N-10X-20ML	AA17N-25X-20ML
	2-5% Nitric acid	100 mL	AA17N-1	-----
	500 mL	AA17N-5	-----	-----
Europium	20 mL	-----	AA18N-10X-20ML	AA18N-25X-20ML
	2-5% Nitric acid	100 mL	AA18N-1	-----
	500 mL	AA18N-5	-----	-----
Gadolinium	20 mL	-----	AA19N-10X-20ML	AA19N-25X-20ML
	2-5% Nitric acid	100 mL	AA19N-1	-----
	500 mL	AA19N-5	-----	-----
Gallium	20 mL	-----	AA20N-10X-20ML	-----
	2-5% Nitric acid	100 mL	AA20N-1	-----
	500 mL	AA20N-5	-----	-----
Germanium	20 mL	-----	AA21W-10X-20ML	-----
	Water tr. HF	100 mL	AA21W-1 *	-----
	500 mL	AA21W-5 *	-----	-----
Gold	20 mL	-----	AA22H-10X-20ML	AA22H-25X-20ML
	10% HCl (min.)	100 mL	AA22H-1	-----
	500 mL	AA22H-5	-----	-----
Hafnium	20 mL	-----	AA23N-10X-20ML	AA23N-25X-20ML
	2-5% Nitric acid tr. HF	100 mL	AA23N-1	-----
	500 mL	AA23N-5	-----	-----



These products require a Hazardous Shipping Fee, except the "NoHaz™" products in the right columns, and except products marked with an asterisk *

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- Traceable to NIST Reference Materials
- Actual Concentration Analysis
- Certificate of Analysis included
- Most available in either Nitric or Hydrochloric acid matrix

Starting Material Matrix		NoHaz Size (No Hazardous shipping charge)		
		1000 µg/mL	10,000 µg/mL	25,000 µg/mL
Element	Unit	Cat. No.	Cat. No.	Cat. No.
Holmium	20 mL	-----	AA24N-10X-20ML	AA24N-25X-20ML
	2-5% Nitric acid 100 mL	AA24N-1	-----	-----
	500 mL	AA24N-5	-----	-----
Indium	20 mL	-----	AA25N-10X-20ML	AA25N-25X-20ML
	2-5% Nitric acid 100 mL	AA25N-1	-----	-----
	500 mL	AA25N-5	-----	-----
Iridium	20 mL	-----	AA26H-10X-20ML	AA26H-25X-20ML
	10% HCl (min.) 100 mL	AA26H-1	-----	-----
	500 mL	AA26H-5	-----	-----
Iron	20 mL	-----	AA27N-10X-20ML	AA27N-25X-20ML
	2-5% Nitric acid 100 mL	AA27N-1	-----	-----
	500 mL	AA27N-5	-----	-----
Lanthanum	20 mL	-----	AA28N-10X-20ML	AA28N-25X-20ML
	2-5% Nitric acid 100 mL	AA28N-1	-----	-----
	500 mL	AA28N-5	-----	-----
Lead	20 mL	-----	AA29N-10X-20ML	AA29N-25X-20ML
	2-5% Nitric acid 100 mL	AA29N-1	-----	-----
	500 mL	AA29N-5	-----	-----
Lithium	20 mL	-----	AA30N-10X-20ML	AA30N-25X-20ML
	2-5% Nitric acid 100 mL	AA30N-1	-----	-----
	500 mL	AA30N-5	-----	-----
Lutetium	20 mL	-----	AA31N-10X-20ML	AA31N-25X-20ML
	2-5% Nitric acid 100 mL	AA31N-1	-----	-----
	500 mL	AA31N-5	-----	-----
Magnesium	20 mL	-----	AA32N-10X-20ML	AA32N-25X-20ML
	2-5% Nitric acid 100 mL	AA32N-1	-----	-----
	500 mL	AA32N-5	-----	-----
Manganese	20 mL	-----	AA33N-10X-20ML	AA33N-25X-20ML
	2-5% Nitric acid 100 mL	AA33N-1	-----	-----
	500 mL	AA33N-5	-----	-----
Mercury	20 mL	-----	AA34N-10X-20ML	AA34N-25X-20ML
	2-5% Nitric acid 100 mL	AA34N-1	-----	-----
	500 mL	AA34N-5	-----	-----
Molybdenum	20 mL	-----	AA35W-10X-20ML	AA35W-25X-20ML
	Water tr. NH ₄ OH 100 mL	AA35W-1 *	-----	-----
	500 mL	AA35W-5 *	-----	-----
Neodymium	20 mL	-----	AA36N-10X-20ML	AA36N-25X-20ML
	2-5% Nitric acid 100 mL	AA36N-1	-----	-----
	500 mL	AA36N-5	-----	-----
Nickel	20 mL	-----	AA37N-10X-20ML	AA37N-25X-20ML
	2-5% Nitric acid 100 mL	AA37N-1	-----	-----
	500 mL	AA37N-5	-----	-----
Niobium	20 mL	-----	AA38W-10X-20ML	AA38W-25X-20ML
	Water tr. HF 100 mL	AA38W-1 *	-----	-----
	500 mL	AA38W-5 *	-----	-----
Palladium	20 mL	-----	AA40H-10X-20ML	AA40H-25X-20ML
	10% HCl (min.) 100 mL	AA40H-1	-----	-----
	500 mL	AA40H-5	-----	-----
Phosphorus	20 mL	-----	AA41W-10X-20ML	-----
	Water 100 mL	AA41W-1 *	-----	-----
	500 mL	AA41W-5 *	-----	-----
Platinum	20 mL	-----	AA42H-10X-20ML	AA42H-25X-20ML
	10% HCl (min.) 100 mL	AA42H-1	-----	-----
	500 mL	AA42H-5	-----	-----
Potassium	20 mL	-----	AA43N-10X-20ML	AA43N-25X-20ML
	2-5% Nitric acid 100 mL	AA43N-1	-----	-----
	500 mL	AA43N-5	-----	-----
Praseodymium	20 mL	-----	AA44N-10X-20ML	AA44N-25X-20ML
	2-5% Nitric acid 100 mL	AA44N-1	-----	-----
	500 mL	AA44N-5	-----	-----
Rhenium	20 mL	-----	AA45W-10X-20ML	AA45W-25X-20ML
	Water 100 mL	AA45W-1 *	-----	-----
	500 mL	AA45W-5 *	-----	-----
Rhodium	20 mL	-----	AA46H-10X-20ML	AA46H-25X-20ML
	10% HCl (min.) 100 mL	AA46H-1	-----	-----
	500 mL	AA46H-5	-----	-----



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Starting Material Matrix				NoHaz Size (No Hazardous shipping charge)	
		1000 µg/mL		10,000 µg/mL	
				25,000 µg/mL	
Element	Unit	Cat. No.		Cat. No.	Cat. No.
Rubidium	20 mL	-----	----	AA47N-10X-20ML	AA47N-25X-20ML
2-5% Nitric acid	100 mL	AA47N-1		-----	-----
	500 mL	AA47N-5		-----	-----
Ruthenium	20 mL	-----	----	AA48H-10X-20ML	AA48H-25X-20ML
10% HCl	100 mL	AA48H-1		-----	-----
	500 mL	AA48H-5		-----	-----
Samarium	20 mL	-----	----	AA49N-10X-20ML	AA49N-25X-20ML
2-5% Nitric acid	100 mL	AA49N-1		-----	-----
	500 mL	AA49N-5		-----	-----
Scandium	20 mL	-----	----	AA50N-10X-20ML	AA50N-25X-20ML
2-5% Nitric acid	100 mL	AA50N-1		-----	-----
	500 mL	AA50N-5		-----	-----
Selenium	20 mL	-----	----	AA51N-10X-20ML	AA51N-25X-20ML
2-5% Nitric acid	100 mL	AA51N-1		-----	-----
	500 mL	AA51N-5		-----	-----
Silicon	20 mL	-----	----	AA52W-10X-20ML	-----
Water tr. HF	100 mL	AA52W-1 *		-----	-----
	500 mL	AA52W-5 *		-----	-----
Silver	20 mL	-----	----	AA53N-10X-20ML	AA53N-25X-20ML
2-5% Nitric acid	100 mL	AA53N-1		-----	-----
	500 mL	AA53N-5		-----	-----
Sodium	20 mL	-----	----	AA54N-10X-20ML	AA54N-25X-20ML
2-5% Nitric acid	100 mL	AA54N-1		-----	-----
	500 mL	AA54N-5		-----	-----
Strontium	20 mL	-----	----	AA55N-10X-20ML	AA55N-25X-20ML
2-5% Nitric acid	100 mL	AA55N-1		-----	-----
	500 mL	AA55N-5		-----	-----
Sulfur	20 mL	-----	----	AA56W-10X-20ML	AA56W-25X-20ML
Water	100 mL	AA56W-1 *		-----	-----
	500 mL	AA56W-5 *		-----	-----
Tantalum	20 mL	-----	----	AA57W-10X-20ML	AA57W-25X-20ML
Water tr. HF	100 mL	AA57W-1 *		-----	-----
	500 mL	AA57W-5 *		-----	-----
Tellurium	20 mL	-----	----	AA58H-10X-20ML	-----
10% HCl (min.)	100 mL	AA58H-1		-----	-----
	500 mL	AA58H-5		-----	-----
Terbium	20 mL	-----	----	AA59N-10X-20ML	AA59N-25X-20ML
2-5% Nitric acid	100 mL	AA59N-1		-----	-----
	500 mL	AA59N-5		-----	-----
Thallium	20 mL	-----	----	AA60N-10X-20ML	AA60N-25X-20ML
2-5% Nitric acid	100 mL	AA60N-1		-----	-----
	500 mL	AA60N-5		-----	-----
Thorium	20 mL	-----	----	-----	-----
2-5% Nitric acid	100 mL	AA61N-1		-----	-----
	500 mL	AA61N-5		-----	-----
Thulium	20 mL	-----	----	AA62N-10X-20ML	AA62N-25X-20ML
2-5% Nitric acid	100 mL	AA62N-1		-----	-----
	500 mL	AA62N-5		-----	-----
Tin	20 mL	-----	----	AA63N-10X-20ML	AA63N-25X-20ML
2-5% Nitric acid tr. HF	100 mL	AA63N-1		-----	-----
	500 mL	AA63N-5		-----	-----
Titanium	20 mL	-----	----	AA64W-10X-20ML	-----
Water tr. HF	100 mL	AA64W-1 *		-----	-----
	500 mL	AA64W-5 *		-----	-----
Tungsten	20 mL	-----	----	AA65W-10X-20ML	-----
Water tr. NH ₄ OH	100 mL	AA65W-1 *		-----	-----
	500 mL	AA65W-5 *		-----	-----
Uranium	20 mL	-----	----	-----	-----
2-5% Nitric acid	100 mL	AA66N-1		-----	-----
	500 mL	AA66N-5		-----	-----
Vanadium	20 mL	-----	----	AA67N-10X-20ML	AA67N-25X-20ML
2-5% Nitric acid	100 mL	AA67N-1		-----	-----
	500 mL	AA67N-5		-----	-----
Ytterbium	20 mL	-----	----	AA68N-10X-20ML	AA68N-25X-20ML
2-5% Nitric acid	100 mL	AA68N-1		-----	-----
	500 mL	AA68N-5		-----	-----
Yttrium	20 mL	-----	----	AA69N-10X-20ML	AA69N-25X-20ML
2-5% Nitric acid	100 mL	AA69N-1		-----	-----
	500 mL	AA69N-5		-----	-----
Zinc	20 mL	-----	----	AA70N-10X-20ML	AA70N-25X-20ML
2-5% Nitric acid	100 mL	AA70N-1		-----	-----
	500 mL	AA70N-5		-----	-----
Zirconium	20 mL	-----	----	AA71N-10X-20ML	AA71N-25X-20ML
2-5% Nitric acid	100 mL	AA71N-1		-----	-----
	500 mL	AA71N-5		-----	-----



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3 Year
Shelf Life on
ICP, ICP/MS & AA
Single Element
Standards



AA

Matrix Modifier & Calibration

Matrix Modifier Solutions for Graphite Furnace AA

These Matrix Modifiers enhance sensitivity and suppress background interferences observed in trace metal analysis.

Modifier Description	Modifier Source	Unit	Cat. No.
Ammonium dihydrogen phosphate, 40% in H ₂ O	NH ₄ H ₂ PO ₄	50 mL	MOD-02-0.5
		100 mL	MOD-02-1
		500 mL	MOD-02-5
Ammonium nitrate, 5% in H ₂ O	NH ₄ NO ₃	50 mL	MOD-03-0.5
		100 mL	MOD-03-1
		500 mL	MOD-03-5
Calcium nitrate, 2% Ca in 5% in HNO ₃	Ca(NO ₃) ₂ • 4H ₂ O	50 mL	MOD-04-0.5
		100 mL	MOD-04-1
		500 mL	MOD-04-5
Lanthanum chloride, 5% La in 5% HCl	LaCl	50 mL	MOD-05-0.5
		100 mL	MOD-05-1
		500 mL	MOD-05-5
Lanthanum nitrate, 5% La in 5% HNO ₃	LaNO ₃	50 mL	MOD-06-0.5
		100 mL	MOD-06-1
		500 mL	MOD-06-5
Magnesium nitrate, 2% Mg in 5% HNO ₃	Mg(NO ₃) ₂	50 mL	MOD-07-0.5
		100 mL	MOD-07-1
		500 mL	MOD-07-5
Nickel nitrate, 5% Ni in HNO ₃	Ni(NO ₃) ₂	50 mL	MOD-08-0.5
		100 mL	MOD-08-1
		500 mL	MOD-08-5
Palladium nitrate, 0.2% Pd in 5% HNO ₃	Pd(NO ₃) ₂	50 mL	MOD-09A-0.5
		100 mL	MOD-09A-1
		500 mL	MOD-09A-5
Palladium nitrate, 0.5% Pd in 5% HNO ₃	Pd(NO ₃) ₂	50 mL	MOD-09B-0.5
		100 mL	MOD-09B-1
		500 mL	MOD-09B-5
Palladium nitrate, 1.0% Pd in 5% HNO ₃	Pd(NO ₃) ₂	50 mL	MOD-09C-0.5
		100 mL	MOD-09C-1
		500 mL	MOD-09C-5

Calibration and Matrix Blanks

Nitric Acid Blank

CLP-BLN-5 500 mL
CLP-BLN-L-SET L (2 x 500 mL)

5% HNO₃ in ASTM Type I Water

Hydrochloric Acid Blank

CLP-BLH-5 500 mL
CLP-BLH-L-SET L (2 x 500 mL)

5% HCl in ASTM Type I Water

Water Blank

CLP-BLW-5 * 500 mL
CLP-BLW-L-SET * L (2 x 500 mL)

ASTM Type I Water

Mixed Acid Blank

CLP-BLMA-5 500 mL
CLP-BLMA-L-SET L (2 x 500 mL)

5% HCl + 1% HNO₃ in ASTM Type I Water

Multi-Element Standards for Spikes & CFAA Calibration Standards

GFAA Instrument Calibration Standard

CLP-CAL-AA 50 mL
6 components in 5% HNO₃

Element	µg/mL	λ (nm)
Sb (<i>Antimony</i>)	100	217.581
As (<i>Arsenic</i>)	50	189.042
Cd (<i>Cadmium</i>)	10	214.438
Pb (<i>Lead</i>)	50	220.353
Se (<i>Selenium</i>)	100	196.090
Tl (<i>Thallium</i>)	50	351.924

GFAA Predigestion Spike Solution

CLP-SP1-AA 50 mL
6 components in 5% HNO₃

Element	µg/mL	λ (nm)
Sb (<i>Antimony</i>)	100	217.581
As (<i>Arsenic</i>)	40	189.042
Cd (<i>Cadmium</i>)	5	214.438
Pb (<i>Lead</i>)	20	220.353
Se (<i>Selenium</i>)	10	196.090
Tl (<i>Thallium</i>)	50	351.924

GFAA Initial Calibration Verification

(Meets CLP Second Source Requirements)
CLP-ICV-AA 50 mL
6 components in 5% HNO₃

Element	µg/mL	λ (nm)
Sb (<i>Antimony</i>)	50	217.581
As (<i>Arsenic</i>)	25	189.042
Cd (<i>Cadmium</i>)	5	214.438
Pb (<i>Lead</i>)	25	220.353
Se (<i>Selenium</i>)	50	196.090
Tl (<i>Thallium</i>)	25	351.924

GFAA Mercury Standard for Calibration or Spiking

CLP-HG-AA 50 mL
1 component in 5% HNO₃

Element	µg/mL	λ (nm)
Hg (<i>Mercury</i>)	100	194.232

GFAA Postdigestion Spike Solution

(2 x CRDL except for Lead)
CLP-SP2-AA 50 mL
6 component in 5% HNO₃

Element	µg/mL	λ (nm)
Sb (<i>Antimony</i>)	120	217.581
As (<i>Arsenic</i>)	20	189.042
Cd (<i>Cadmium</i>)	10	214.438
Pb (<i>Lead</i>)	20	220.353
Se (<i>Selenium</i>)	10	196.090
Tl (<i>Thallium</i>)	20	351.924

GFAA Set

CLP-AA-SET 5 x 50 mL
Set includes:

CLP-CAL-AA	CLP-HG-AA
CLP-SP1-AA	CLP-SP2-AA
CLP-ICV-AA	

If you need an element that is not listed above or you require a different matrix, size or concentration, our experienced chemists will provide you with a custom quotation.

AA01N-1:8	AA26H-10X-20ML:9	AA50N-1:10	CLP-HG-AA:11
AA01N-10X-20ML:8	AA26H-25X-20ML:9	AA50N-10X-20ML:10	CLP-ICV-AA:11
AA01N-25X-20ML:8	AA26H-5:9	AA50N-25X-20ML:10	CLP-SP1-AA:11
AA01N-5:8	AA27N-1:9	AA50N-5:10	CLP-SP2-AA:11
AA02N-1:8	AA27N-10X-20ML:9	AA51N-1:10	MOD-02-0.5:11
AA02N-5:8	AA27N-25X-20ML:9	AA51N-10X-20ML:10	MOD-02-1:11
AA02W-10X-20ML:8	AA27N-5:9	AA51N-25X-20ML:10	MOD-02-5:11
AA03N-1:8	AA28N-1:9	AA51N-5:10	MOD-03-0.5:11
AA03N-10X-20ML:8	AA28N-10X-20ML:9	AA52W-1:10	MOD-03-1:11
AA03N-25X-20ML:8	AA28N-25X-20ML:9	AA52W-10X-20ML:10	MOD-03-5:11
AA03N-5:8	AA28N-5:9	AA52W-5:10	MOD-04-0.5:11
AA04N-1:8	AA29N-1:9	AA53N-1:10	MOD-04-1:11
AA04N-10X-20ML:8	AA29N-10X-20ML:9	AA53N-10X-20ML:10	MOD-04-5:11
AA04N-25X-20ML:8	AA29N-25X-20ML:9	AA53N-25X-20ML:10	MOD-05-0.5:11
AA04N-5:8	AA29N-5:9	AA53N-5:10	MOD-05-1:11
AA05N-1:8	AA30N-1:9	AA54N-1:10	MOD-05-5:11
AA05N-10X-20ML:8	AA30N-10X-20ML:9	AA54N-10X-20ML:10	MOD-06-0.5:11
AA05N-5:8	AA30N-25X-20ML:9	AA54N-25X-20ML:10	MOD-06-1:11
AA06N-1:8	AA30N-5:9	AA54N-5:10	MOD-06-5:11
AA06N-10X-20ML:8	AA31N-1:9	AA55N-1:10	MOD-07-0.5:11
AA06N-25X-20ML:8	AA31N-10X-20ML:9	AA55N-10X-20ML:10	MOD-07-1:11
AA06N-5:8	AA31N-25X-20ML:9	AA55N-25X-20ML:10	MOD-07-5:11
AA07W-1:8	AA31N-5:9	AA55N-5:10	MOD-08-0.5:11
AA07W-10X-20ML:8	AA32N-1:9	AA56W-1:10	MOD-08-1:11
AA07W-5:8	AA32N-10X-20ML:9	AA56W-10X-20ML:10	MOD-08-5:11
AA08N-1:8	AA32N-25X-20ML:9	AA56W-25X-20ML:10	MOD-09A-0.5:11
AA08N-10X-20ML:8	AA32N-5:9	AA56W-5:10	MOD-09A-1:11
AA08N-25X-20ML:8	AA33N-1:9	AA57W-1:10	MOD-09A-5:11
AA08N-5:8	AA33N-10X-20ML:9	AA57W-10X-20ML:10	MOD-09B-0.5:11
AA09N-1:8	AA33N-25X-20ML:9	AA57W-25X-20ML:10	MOD-09B-1:11
AA09N-10X-20ML:8	AA33N-5:9	AA57W-5:10	MOD-09B-5:11
AA09N-25X-20ML:8	AA34N-1:9	AA58H-1:10	MOD-09C-0.5:11
AA09N-5:8	AA34N-10X-20ML:9	AA58H-10X-20ML:10	MOD-09C-1:11
AA11N-1:8	AA34N-25X-20ML:9	AA58H-5:10	MOD-09C-5:11
AA11N-10X-20ML:8	AA34N-5:9	AA59N-1:10	
AA11N-25X-20ML:8	AA35W-1:9	AA59N-10X-20ML:10	
AA11N-5:8	AA35W-10X-20ML:9	AA59N-25X-20ML:10	
AA12N-1:8	AA35W-25X-20ML:9	AA59N-5:10	
AA12N-10X-20ML:8	AA35W-5:9	AA60N-1:10	
AA12N-25X-20ML:8	AA36N-1:9	AA60N-10X-20ML:10	
AA12N-5:8	AA36N-10X-20ML:9	AA60N-25X-20ML:10	
AA13N-1:8	AA36N-25X-20ML:9	AA60N-5:10	
AA13N-10X-20ML:8	AA36N-5:9	AA61N-1:10	
AA13N-25X-20ML:8	AA37N-1:9	AA61N-5:10	
AA13N-5:8	AA37N-10X-20ML:9	AA62N-1:10	
AA14N-1:8	AA37N-25X-20ML:9	AA62N-10X-20ML:10	
AA14N-10X-20ML:8	AA37N-5:9	AA62N-25X-20ML:10	
AA14N-5:8	AA38W-1:9	AA62N-5:10	
AA15N-1:8	AA38W-10X-20ML:9	AA63N-1:10	
AA15N-10X-20ML:8	AA38W-25X-20ML:9	AA63N-10X-20ML:10	
AA15N-25X-20ML:8	AA38W-5:9	AA63N-25X-20ML:10	
AA15N-5:8	AA40H-1:9	AA63N-5:10	
AA16N-1:8	AA40H-10X-20ML:9	AA64W-1:10	
AA16N-10X-20ML:8	AA40H-25X-20ML:9	AA64W-10X-20ML:10	
AA16N-25X-20ML:8	AA40H-5:9	AA64W-5:10	
AA17N-1:8	AA41W-1:9	AA65W-1:10	
AA17N-10X-20ML:8	AA41W-10X-20ML:9	AA65W-10X-20ML:10	
AA17N-25X-20ML:8	AA41W-5:9	AA65W-5:10	
AA17N-5:8	AA42H-1:9	AA66N-1:10	
AA18N-1:8	AA42H-10X-20ML:9	AA66N-5:10	
AA18N-10X-20ML:8	AA42H-25X-20ML:9	AA67N-1:10	
AA18N-25X-20ML:8	AA42H-5:9	AA67N-10X-20ML:10	
AA18N-5:8	AA43N-1:9	AA67N-25X-20ML:10	
AA19N-1:8	AA43N-10X-20ML:9	AA67N-5:10	
AA19N-10X-20ML:8	AA43N-25X-20ML:9	AA68N-1:10	
AA19N-25X-20ML:8	AA43N-5:9	AA68N-10X-20ML:10	
AA19N-5:8	AA44N-1:9	AA68N-25X-20ML:10	
AA20N-1:8	AA44N-10X-20ML:9	AA68N-5:10	
AA20N-10X-20ML:8	AA44N-25X-20ML:9	AA69N-1:10	
AA20N-5:8	AA44N-5:9	AA69N-10X-20ML:10	
AA21W-1:8	AA45W-1:9	AA69N-25X-20ML:10	
AA21W-10X-20ML:8	AA45W-10X-20ML:9	AA69N-5:10	
AA21W-5:8	AA45W-25X-20ML:9	AA70N-1:10	
AA22H-1:8	AA45W-5:9	AA70N-10X-20ML:10	
AA22H-10X-20ML:8	AA46H-1:9	AA70N-25X-20ML:10	
AA22H-25X-20ML:8	AA46H-10X-20ML:9	AA70N-5:10	
AA22H-5:8	AA46H-25X-20ML:9	AA71N-1:10	
AA23N-1:8	AA46H-5:9	AA71N-10X-20ML:10	
AA23N-10X-20ML:8	AA47N-1:10	AA71N-25X-20ML:10	
AA23N-25X-20ML:8	AA47N-10X-20ML:10	AA71N-5:10	
AA23N-5:8	AA47N-25X-20ML:10	CLP-AA-SET:11	
AA24N-1:9	AA47N-5:10	CLP-BLH-5:11	
AA24N-10X-20ML:9	AA48H-1:10	CLP-BLH-L-SET:11	
AA24N-25X-20ML:9	AA48H-10X-20ML:10	CLP-BLMA-5:11	
AA24N-5:9	AA48H-25X-20ML:10	CLP-BLMA-L-SET:11	
AA25N-1:9	AA48H-5:10	CLP-BLN-5:11	
AA25N-10X-20ML:9	AA49N-1:10	CLP-BLN-L-SET:11	
AA25N-25X-20ML:9	AA49N-10X-20ML:10	CLP-BLW-5:11	
AA25N-5:9	AA49N-25X-20ML:10	CLP-BLW-L-SET:11	
AA26H-1:9	AA49N-5:10	CLP-CAL-AA:11	