

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2078
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2078 **SAS No.:** Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV15	Mercury	3.67	4.0	92	90 - 110	CV	05/23/2025	09:13	LB135895

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2078
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2078 **SAS No.:** Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV55	Mercury	5.33	5.0	107	90 - 110	CV	05/23/2025	09:18	LB135895
CCV56	Mercury	5.44	5.0	109	90 - 110	CV	05/23/2025	09:45	LB135895
CCV57	Mercury	5.45	5.0	109	90 - 110	CV	05/23/2025	10:12	LB135895
CCV58	Mercury	5.41	5.0	108	90 - 110	CV	05/23/2025	10:40	LB135895
CCV59	Mercury	5.23	5.0	104	90 - 110	CV	05/23/2025	10:58	LB135895
CCV60	Mercury	4.93	5.0	99	90 - 110	CV	05/23/2025	11:23	LB135895

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q2078
 Contract: ENTA05 Lab Code: CHEM Case No.: Q2078 SAS No.: Q2078
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1040	1000	104	90 - 110	P	05/22/2025	15:00	LB135892
	Barium	521	520	100	90 - 110	P	05/22/2025	15:00	LB135892
	Cadmium	516	510	101	90 - 110	P	05/22/2025	15:00	LB135892
	Chromium	532	520	102	90 - 110	P	05/22/2025	15:00	LB135892
	Copper	540	510	106	90 - 110	P	05/22/2025	15:00	LB135892
	Lead	1000	1000	100	90 - 110	P	05/22/2025	15:00	LB135892
	Nickel	522	530	98	90 - 110	P	05/22/2025	15:00	LB135892
	Selenium	1070	1000	107	90 - 110	P	05/22/2025	15:00	LB135892
	Silver	268	250	107	90 - 110	P	05/22/2025	15:00	LB135892
	Zinc	1060	1000	106	90 - 110	P	05/22/2025	15:00	LB135892

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q2078
Contract: ENTA05 Lab Code: CHEM Case No.: Q2078 SAS No.: Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	17.6	20.0	88	80 - 120	P	05/22/2025	15:16	LB135892
	Barium	105	100	106	80 - 120	P	05/22/2025	15:16	LB135892
	Cadmium	6.24	6.0	104	80 - 120	P	05/22/2025	15:16	LB135892
	Chromium	9.86	10.0	99	80 - 120	P	05/22/2025	15:16	LB135892
	Copper	23.9	20.0	120	80 - 120	P	05/22/2025	15:16	LB135892
	Lead	11.1	12.0	93	80 - 120	P	05/22/2025	15:16	LB135892
	Nickel	40.8	40.0	102	80 - 120	P	05/22/2025	15:16	LB135892
	Selenium	18.4	20.0	92	80 - 120	P	05/22/2025	15:16	LB135892
	Silver	9.74	10.0	97	80 - 120	P	05/22/2025	15:16	LB135892
	Zinc	45.4	40.0	114	80 - 120	P	05/22/2025	15:16	LB135892

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2078
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2078 **SAS No.:** Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4830	5000	97	90 - 110	P	05/22/2025	15:51	LB135892
	Barium	10000	10000	100	90 - 110	P	05/22/2025	15:51	LB135892
	Cadmium	2370	2500	95	90 - 110	P	05/22/2025	15:51	LB135892
	Chromium	962	1000	96	90 - 110	P	05/22/2025	15:51	LB135892
	Copper	1220	1250	98	90 - 110	P	05/22/2025	15:51	LB135892
	Lead	4780	5000	96	90 - 110	P	05/22/2025	15:51	LB135892
	Nickel	2380	2500	95	90 - 110	P	05/22/2025	15:51	LB135892
	Selenium	4870	5000	97	90 - 110	P	05/22/2025	15:51	LB135892
	Silver	1210	1250	97	90 - 110	P	05/22/2025	15:51	LB135892
	Zinc	2430	2500	97	90 - 110	P	05/22/2025	15:51	LB135892
CCV02	Arsenic	4820	5000	96	90 - 110	P	05/22/2025	16:38	LB135892
	Barium	9370	10000	94	90 - 110	P	05/22/2025	16:38	LB135892
	Cadmium	2370	2500	95	90 - 110	P	05/22/2025	16:38	LB135892
	Chromium	961	1000	96	90 - 110	P	05/22/2025	16:38	LB135892
	Copper	1220	1250	97	90 - 110	P	05/22/2025	16:38	LB135892
	Lead	4770	5000	95	90 - 110	P	05/22/2025	16:38	LB135892
	Nickel	2370	2500	95	90 - 110	P	05/22/2025	16:38	LB135892
	Selenium	4850	5000	97	90 - 110	P	05/22/2025	16:38	LB135892
	Silver	1200	1250	96	90 - 110	P	05/22/2025	16:38	LB135892
	Zinc	2430	2500	97	90 - 110	P	05/22/2025	16:38	LB135892
CCV03	Arsenic	4670	5000	94	90 - 110	P	05/22/2025	17:28	LB135892
	Barium	9340	10000	93	90 - 110	P	05/22/2025	17:28	LB135892
	Cadmium	2340	2500	94	90 - 110	P	05/22/2025	17:28	LB135892
	Chromium	955	1000	96	90 - 110	P	05/22/2025	17:28	LB135892
	Copper	1180	1250	94	90 - 110	P	05/22/2025	17:28	LB135892
	Lead	4680	5000	94	90 - 110	P	05/22/2025	17:28	LB135892
	Nickel	2330	2500	93	90 - 110	P	05/22/2025	17:28	LB135892
	Selenium	4680	5000	94	90 - 110	P	05/22/2025	17:28	LB135892
	Silver	1170	1250	94	90 - 110	P	05/22/2025	17:28	LB135892
	Zinc	2350	2500	94	90 - 110	P	05/22/2025	17:28	LB135892
CCV04	Arsenic	4980	5000	100	90 - 110	P	05/22/2025	19:08	LB135892
	Barium	10100	10000	102	90 - 110	P	05/22/2025	19:08	LB135892
	Cadmium	2420	2500	97	90 - 110	P	05/22/2025	19:08	LB135892
	Chromium	996	1000	100	90 - 110	P	05/22/2025	19:08	LB135892

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2078
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2078 **SAS No.:** Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1250	1250	100	90 - 110	P	05/22/2025	19:08	LB135892
	Lead	4830	5000	97	90 - 110	P	05/22/2025	19:08	LB135892
	Nickel	2440	2500	98	90 - 110	P	05/22/2025	19:08	LB135892
	Selenium	4980	5000	100	90 - 110	P	05/22/2025	19:08	LB135892
	Silver	1250	1250	100	90 - 110	P	05/22/2025	19:08	LB135892
	Zinc	2520	2500	101	90 - 110	P	05/22/2025	19:08	LB135892



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Client:	<u>ENTACT</u>	SDG No.:	<u>Q2078</u>				
Contract:	<u>ENTA05</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2078</u>	SAS No.:	<u>Q2078</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	Inorganic Ventures						

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis Date	Analysis Time	Run Number
		ug/L		Recovery	Window (%R)				
ICV01	Arsenic	1010	1000	101	90 - 110	P	05/28/2025	12:37	LB135935
	Barium	472	520	91	90 - 110	P	05/28/2025	12:37	LB135935
	Cadmium	504	510	99	90 - 110	P	05/28/2025	12:37	LB135935
	Chromium	528	520	102	90 - 110	P	05/28/2025	12:37	LB135935
	Copper	524	510	103	90 - 110	P	05/28/2025	12:37	LB135935
	Lead	987	1000	99	90 - 110	P	05/28/2025	12:37	LB135935
	Nickel	511	530	96	90 - 110	P	05/28/2025	12:37	LB135935
	Selenium	1040	1000	104	90 - 110	P	05/28/2025	12:37	LB135935
	Silver	254	250	102	90 - 110	P	05/28/2025	12:37	LB135935
	Zinc	1040	1000	104	90 - 110	P	05/28/2025	12:37	LB135935

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q2078
Contract: ENTA05 Lab Code: CHEM Case No.: Q2078 SAS No.: Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.6	20.0	103	80 - 120	P	05/28/2025	12:41	LB135935
	Barium	87.2	100	87	80 - 120	P	05/28/2025	12:41	LB135935
	Cadmium	5.99	6.0	100	80 - 120	P	05/28/2025	12:41	LB135935
	Chromium	9.82	10.0	98	80 - 120	P	05/28/2025	12:41	LB135935
	Copper	21.0	20.0	105	80 - 120	P	05/28/2025	12:41	LB135935
	Lead	12.5	12.0	105	80 - 120	P	05/28/2025	12:41	LB135935
	Nickel	39.2	40.0	98	80 - 120	P	05/28/2025	12:41	LB135935
	Selenium	19.4	20.0	97	80 - 120	P	05/28/2025	12:41	LB135935
	Silver	11.3	10.0	113	80 - 120	P	05/28/2025	12:41	LB135935
	Zinc	44.2	40.0	110	80 - 120	P	05/28/2025	12:41	LB135935

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q2078
Contract: ENTA05 Lab Code: CHEM Case No.: Q2078 SAS No.: Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5160	5000	103	90 - 110	P	05/28/2025	13:21	LB135935
	Barium	9610	10000	96	90 - 110	P	05/28/2025	13:21	LB135935
	Cadmium	2510	2500	100	90 - 110	P	05/28/2025	13:21	LB135935
	Chromium	1040	1000	104	90 - 110	P	05/28/2025	13:21	LB135935
	Copper	1280	1250	103	90 - 110	P	05/28/2025	13:21	LB135935
	Lead	5030	5000	101	90 - 110	P	05/28/2025	13:21	LB135935
	Nickel	2510	2500	100	90 - 110	P	05/28/2025	13:21	LB135935
	Selenium	5220	5000	104	90 - 110	P	05/28/2025	13:21	LB135935
	Silver	1290	1250	103	90 - 110	P	05/28/2025	13:21	LB135935
	Zinc	2590	2500	104	90 - 110	P	05/28/2025	13:21	LB135935
CCV02	Arsenic	5080	5000	102	90 - 110	P	05/28/2025	14:06	LB135935
	Barium	9830	10000	98	90 - 110	P	05/28/2025	14:06	LB135935
	Cadmium	2490	2500	100	90 - 110	P	05/28/2025	14:06	LB135935
	Chromium	1020	1000	102	90 - 110	P	05/28/2025	14:06	LB135935
	Copper	1280	1250	102	90 - 110	P	05/28/2025	14:06	LB135935
	Lead	4990	5000	100	90 - 110	P	05/28/2025	14:06	LB135935
	Nickel	2490	2500	100	90 - 110	P	05/28/2025	14:06	LB135935
	Selenium	5130	5000	103	90 - 110	P	05/28/2025	14:06	LB135935
	Silver	1280	1250	102	90 - 110	P	05/28/2025	14:06	LB135935
	Zinc	2560	2500	102	90 - 110	P	05/28/2025	14:06	LB135935
CCV03	Arsenic	4930	5000	99	90 - 110	P	05/28/2025	14:52	LB135935
	Barium	9880	10000	99	90 - 110	P	05/28/2025	14:52	LB135935
	Cadmium	2490	2500	100	90 - 110	P	05/28/2025	14:52	LB135935
	Chromium	1030	1000	103	90 - 110	P	05/28/2025	14:52	LB135935
	Copper	1240	1250	99	90 - 110	P	05/28/2025	14:52	LB135935
	Lead	4980	5000	100	90 - 110	P	05/28/2025	14:52	LB135935
	Nickel	2480	2500	99	90 - 110	P	05/28/2025	14:52	LB135935
	Selenium	4930	5000	99	90 - 110	P	05/28/2025	14:52	LB135935
	Silver	1260	1250	101	90 - 110	P	05/28/2025	14:52	LB135935
	Zinc	2520	2500	101	90 - 110	P	05/28/2025	14:52	LB135935
CCV04	Arsenic	5300	5000	106	90 - 110	P	05/28/2025	15:45	LB135935
	Barium	10100	10000	101	90 - 110	P	05/28/2025	15:45	LB135935
	Cadmium	2560	2500	102	90 - 110	P	05/28/2025	15:45	LB135935
	Chromium	1040	1000	104	90 - 110	P	05/28/2025	15:45	LB135935

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2078
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2078 **SAS No.:** Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1310	1250	105	90 - 110	P	05/28/2025	15:45	LB135935
	Lead	5120	5000	102	90 - 110	P	05/28/2025	15:45	LB135935
	Nickel	2560	2500	102	90 - 110	P	05/28/2025	15:45	LB135935
	Selenium	5370	5000	107	90 - 110	P	05/28/2025	15:45	LB135935
	Silver	1290	1250	103	90 - 110	P	05/28/2025	15:45	LB135935
	Zinc	2470	2500	99	90 - 110	P	05/28/2025	15:45	LB135935
CCV05	Arsenic	5010	5000	100	90 - 110	P	05/28/2025	16:38	LB135935
	Barium	10100	10000	101	90 - 110	P	05/28/2025	16:38	LB135935
	Cadmium	2470	2500	99	90 - 110	P	05/28/2025	16:38	LB135935
	Chromium	1010	1000	101	90 - 110	P	05/28/2025	16:38	LB135935
	Copper	1270	1250	101	90 - 110	P	05/28/2025	16:38	LB135935
	Lead	4940	5000	99	90 - 110	P	05/28/2025	16:38	LB135935
	Nickel	2480	2500	99	90 - 110	P	05/28/2025	16:38	LB135935
	Selenium	5050	5000	101	90 - 110	P	05/28/2025	16:38	LB135935
	Silver	1260	1250	101	90 - 110	P	05/28/2025	16:38	LB135935
	Zinc	2480	2500	99	90 - 110	P	05/28/2025	16:38	LB135935
CCV06	Arsenic	5140	5000	103	90 - 110	P	05/28/2025	18:01	LB135935
	Barium	9720	10000	97	90 - 110	P	05/28/2025	18:01	LB135935
	Cadmium	2510	2500	101	90 - 110	P	05/28/2025	18:01	LB135935
	Chromium	1030	1000	103	90 - 110	P	05/28/2025	18:01	LB135935
	Copper	1290	1250	103	90 - 110	P	05/28/2025	18:01	LB135935
	Lead	5030	5000	100	90 - 110	P	05/28/2025	18:01	LB135935
	Nickel	2520	2500	101	90 - 110	P	05/28/2025	18:01	LB135935
	Selenium	5210	5000	104	90 - 110	P	05/28/2025	18:01	LB135935
	Silver	1280	1250	102	90 - 110	P	05/28/2025	18:01	LB135935
	Zinc	2570	2500	103	90 - 110	P	05/28/2025	18:01	LB135935
CCV07	Arsenic	5060	5000	101	90 - 110	P	05/28/2025	18:51	LB135935
	Barium	10000	10000	100	90 - 110	P	05/28/2025	18:51	LB135935
	Cadmium	2500	2500	100	90 - 110	P	05/28/2025	18:51	LB135935
	Chromium	1020	1000	102	90 - 110	P	05/28/2025	18:51	LB135935
	Copper	1280	1250	102	90 - 110	P	05/28/2025	18:51	LB135935
	Lead	4990	5000	100	90 - 110	P	05/28/2025	18:51	LB135935
	Nickel	2510	2500	100	90 - 110	P	05/28/2025	18:51	LB135935
	Selenium	5080	5000	102	90 - 110	P	05/28/2025	18:51	LB135935

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2078
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2078 **SAS No.:** Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1270	1250	102	90 - 110	P	05/28/2025	18:51	LB135935
	Zinc	2510	2500	100	90 - 110	P	05/28/2025	18:51	LB135935
CCV08	Arsenic	5000	5000	100	90 - 110	P	05/28/2025	19:37	LB135935
	Barium	10100	10000	101	90 - 110	P	05/28/2025	19:37	LB135935
	Cadmium	2470	2500	99	90 - 110	P	05/28/2025	19:37	LB135935
	Chromium	1010	1000	101	90 - 110	P	05/28/2025	19:37	LB135935
	Copper	1270	1250	102	90 - 110	P	05/28/2025	19:37	LB135935
	Lead	4930	5000	98	90 - 110	P	05/28/2025	19:37	LB135935
	Nickel	2480	2500	99	90 - 110	P	05/28/2025	19:37	LB135935
	Selenium	5030	5000	101	90 - 110	P	05/28/2025	19:37	LB135935
	Silver	1270	1250	102	90 - 110	P	05/28/2025	19:37	LB135935
	Zinc	2530	2500	101	90 - 110	P	05/28/2025	19:37	LB135935
CCV09	Arsenic	4970	5000	99	90 - 110	P	05/28/2025	20:22	LB135935
	Barium	10100	10000	101	90 - 110	P	05/28/2025	20:22	LB135935
	Cadmium	2460	2500	98	90 - 110	P	05/28/2025	20:22	LB135935
	Chromium	1010	1000	101	90 - 110	P	05/28/2025	20:22	LB135935
	Copper	1270	1250	101	90 - 110	P	05/28/2025	20:22	LB135935
	Lead	4910	5000	98	90 - 110	P	05/28/2025	20:22	LB135935
	Nickel	2470	2500	99	90 - 110	P	05/28/2025	20:22	LB135935
	Selenium	5000	5000	100	90 - 110	P	05/28/2025	20:22	LB135935
	Silver	1270	1250	102	90 - 110	P	05/28/2025	20:22	LB135935
	Zinc	2550	2500	102	90 - 110	P	05/28/2025	20:22	LB135935
CCV10	Arsenic	5130	5000	102	90 - 110	P	05/28/2025	21:09	LB135935
	Barium	9790	10000	98	90 - 110	P	05/28/2025	21:09	LB135935
	Cadmium	2510	2500	100	90 - 110	P	05/28/2025	21:09	LB135935
	Chromium	1010	1000	101	90 - 110	P	05/28/2025	21:09	LB135935
	Copper	1290	1250	104	90 - 110	P	05/28/2025	21:09	LB135935
	Lead	5000	5000	100	90 - 110	P	05/28/2025	21:09	LB135935
	Nickel	2520	2500	101	90 - 110	P	05/28/2025	21:09	LB135935
	Selenium	5180	5000	104	90 - 110	P	05/28/2025	21:09	LB135935
	Silver	1260	1250	101	90 - 110	P	05/28/2025	21:09	LB135935
	Zinc	2540	2500	102	90 - 110	P	05/28/2025	21:09	LB135935
CCV11	Arsenic	5010	5000	100	90 - 110	P	05/28/2025	22:15	LB135935
	Barium	9690	10000	97	90 - 110	P	05/28/2025	22:15	LB135935

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q2078
Contract: ENTA05 Lab Code: CHEM Case No.: Q2078 SAS No.: Q2078
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Cadmium	2470	2500	99	90 - 110	P	05/28/2025	22:15	LB135935
	Chromium	1030	1000	103	90 - 110	P	05/28/2025	22:15	LB135935
	Copper	1270	1250	102	90 - 110	P	05/28/2025	22:15	LB135935
	Lead	4920	5000	98	90 - 110	P	05/28/2025	22:15	LB135935
	Nickel	2480	2500	99	90 - 110	P	05/28/2025	22:15	LB135935
	Selenium	5040	5000	101	90 - 110	P	05/28/2025	22:15	LB135935
	Silver	1280	1250	103	90 - 110	P	05/28/2025	22:15	LB135935
	Zinc	2580	2500	103	90 - 110	P	05/28/2025	22:15	LB135935