

From: [Lowman, Don](#)
To: [Brockington, Tamyra](#)
Subject: FW: JW North America NRC Annual Distribution Report for 2020
Date: Monday, January 11, 2021 6:45:54 PM
Attachments: [BYPRODUCT MATERIALS TRANSFER REPORT 2020.pdf](#)

Please add the below email and attachment to ADAMS....docket #03038187; Publicly Available; Non-Sensitive.

Thanks,
Don

From: Herrera, Tomas <Tomas.Herrera@nrc.gov>
Sent: Monday, January 11, 2021 3:32 PM
To: Lowman, Don <Donald.Lowman@nrc.gov>
Subject: FW: JW North America NRC Annual Distribution Report for 2020

Hi Don,

I just received the attached.

From: Janelle Foster <jfoster@jwnorthamerica.com>
Sent: Monday, January 11, 2021 3:30 PM
To: Herrera, Tomas <Tomas.Herrera@nrc.gov>
Subject: [External_Sender] JW North America NRC Annual Distribution Report for 2020

Hello Tomas,

JW North America's Annual Distribution Report for 2020 will arrive Tuesday 1/12/20 via FedEx envelope, tracking# 772593269085. Please confirm upon delivery.

Attached you'll find a copy of our report.

Thanks and best wishes for the New Year.

Kind regards,

Janelle Foster
JW North America Inc -Distribution Center
980 Cobb Place Blvd. Ste 200, Kennesaw, GA 30144

P: 678-355-1436

BYPRODUCT MATERIALS TRANSFER REPORT

Date: 11 January 2021

To: Document Control Desk/Exempt Distribution
Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission,
Washington, DC 20555-0001.

Pursuant to the requirements of our USNRC Materials License No. 20-23981-01E and **10 CFR 30.15(a)(8)(iv)** and as required by **10 CFR 32.16(a)(2)**, we hereby submit the attached report that details the transfer of products containing exempt quantities of byproduct material.

Please find attached our records of materials transfer for the period of Jan 1, 2020 – Dec 31, 2020.

Licensee:

JW North America Inc.
200 Ledgewood Place, Suite 201
Rockland, MA 02370

USNRC License: 20-23981-01E

Authorized Use: Pursuant to 32.14, 10CFR Part 32

Product Type: Electron Tubes containing gaseous Kr⁸⁵

Report Period: Jan 2020 – Dec 2020

If there are any questions regarding this report, please do not hesitate to contact me.

Respectfully submitted,



Janelle Foster
jfoster@jwnorthamerica.com

Radiation Safety Officer
JW North America, Inc

JW North America Inc.
HP Lamp Distribution Records (NRC)
January 1, 2020 - December 31, 2020

Product Description	Ship Date	Transaction #	Quantity Sold	KR85 Each (uCi)	KR85 Total (uCi)
21104-1					
JK-RUSA 400W R7s					
	2/25/2020	525938	150	0.03	4.50
	6/26/2020	526171	100	0.03	3.00
	7/27/2020	526231	100	0.03	3.00
	9/10/2020	526321	100	0.03	3.00
	11/16/2020	526460	125	0.03	3.75
	12/7/2020	526499	67	0.03	2.01
Total - JK-RUSA 400W R7s			642		19.26
21112-1					
Cosmedico M 650W SE GY9.5					
	1/16/2020	525821	50	0.22	11.00
	1/30/2020	525865	75	0.22	16.50
	2/12/2020	525891	50	0.22	11.00
	2/12/2020	525893	50	0.22	11.00
	2/19/2020	525907	100	0.22	22.00
	2/19/2020	525906	4	0.22	0.88
	3/3/2020	525963	75	0.22	16.50
	5/28/2020	526096	75	0.22	16.50
	6/3/2020	526112	2	0.22	0.44
	6/24/2020	526163	48	0.22	10.56
	7/6/2020	526192	35	0.22	7.70
	7/7/2020	526195	100	0.22	22.00
	8/4/2020	526247	12	0.22	2.64
	8/31/2020	526299	50	0.22	11.00
	9/17/2020	526332	150	0.22	33.00
	9/28/2020	526359	15	0.22	3.30
	9/30/2020	526364	300	0.22	66.00
	10/8/2020	526386	10	0.22	2.20
	10/8/2020	526389	50	0.22	11.00
	10/28/2020	526422	12	0.22	2.64
	11/3/2020	526444	75	0.22	16.50
	12/9/2020	526504	175	0.22	38.50
Total - Cosmedico M 650W SE GY9.5			1,513		332.86
23480856					
Corona 1000W SE-S					
	12/28/2020	526538	120	0.14	16.80
Total - Corona 1000W SE-S			120		16.80
23510902					
Corona 620W GX-12					
	2/24/2020	525924	101	0.22	22.22
	5/13/2020	526069	198	0.22	43.56
	6/10/2020	526133	102	0.22	22.44
	12/28/2020	526538	154	0.22	33.88
Total - Corona 620W GX-12			555		122.10
24003-1					
Cosmedico M 400W R7s					
	1/22/2020	525836	10	0.17	1.70
	2/6/2020	525883	100	0.17	17.00
	5/19/2020	526082	6	0.17	1.02
	9/10/2020	526320	6	0.17	1.02
	11/19/2020	526466	75	0.17	12.75
Total - Cosmedico M 400W R7s			197		33.49
24006-1					

Cosmedico M 500W SE GY9.5

1/22/2020	525836	18	0.15	2.70
1/29/2020	525863	8	0.15	1.20
5/19/2020	526082	7	0.15	1.05
7/31/2020	526240	4	0.15	0.60
8/7/2020	526256	50	0.15	7.50
8/18/2020	526272	20	0.15	3.00
8/24/2020	526281	4	0.15	0.60
Total - Cosmedico M 500W SE GY9.5		111		16.65

24007-1**Cosmedico M 500W R7s**

1/16/2020	525821	25	0.15	3.75
1/16/2020	525818	6	0.15	0.90
2/19/2020	525907	132	0.15	19.80
2/27/2020	525946	6	0.15	0.90
2/27/2020	525945	150	0.15	22.50
3/3/2020	525963	25	0.15	3.75
3/16/2020	526013	50	0.15	7.50
6/3/2020	526118	50	0.15	7.50
7/31/2020	526240	8	0.15	1.20
8/18/2020	526271	6	0.15	0.90
9/10/2020	526320	6	0.15	0.90
9/17/2020	526332	50	0.15	7.50
10/28/2020	526422	40	0.15	6.00
10/29/2020	526425	20	0.15	3.00
11/11/2020	526454	4	0.15	0.60
11/19/2020	526466	75	0.15	11.25
Total - Cosmedico M 500W R7s		653		97.95

24022-1**Ariana SBSN 1000 SE**

1/6/2020	525786	13	0.12	1.56
2/25/2020	525932	8	0.12	0.96
11/4/2020	526447	18	0.12	2.16
Total - Ariana SBSN 1000 SE		39		4.68

24101**CosmoTech 1200W wire leads**

1/16/2020	525818	6	0.06	0.36
2/20/2020	602576	-6	0.06	-0.36
2/27/2020	525946	6	0.06	0.36
6/9/2020	526130	4	0.06	0.24
Total - CosmoTech 1200W wire leads		10		0.60

24103-1**Cosmedico E 1000 L**

1/21/2020	525830	2	0.50	1.00
2/25/2020	525938	5	0.50	2.50
2/25/2020	525932	16	0.50	8.00
3/6/2020	525973	5	0.50	2.50
3/10/2020	525989	2	0.50	1.00
3/13/2020	526007	4	0.50	2.00
Total - Cosmedico E 1000 L		34		17.00

24171-1**Cosmedico E 1000W SE GY9.5**

1/8/2020	525789	21	0.12	2.52
1/22/2020	525836	12	0.12	1.44
1/29/2020	525863	21	0.12	2.52
6/24/2020	526163	2	0.12	0.24
10/8/2020	526386	3	0.12	0.36
10/28/2020	526422	8	0.12	0.96
Total - Cosmedico E 1000W SE GY9.5		67		8.04

24210**CosmoTech 2000W/400V wire leads**

6/25/2020	526169	50	0.20	10.00
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8/13/2020	526265	150	0.20	30.00
Total - CosmoTech 2000W/400V wire leads		200		40.00

24293**Evolution Light 500W 230V**

1/13/2020	525799	150	0.22	33.00
2/5/2020	525880	100	0.22	22.00
2/20/2020	525914	120	0.22	26.40
4/6/2020	526030	80	0.22	17.60
4/6/2020	526031	50	0.22	11.00
6/23/2020	526155	125	0.22	27.50
7/28/2020	526236	125	0.22	27.50
10/8/2020	526388	75	0.22	16.50
11/19/2020	526463	100	0.22	22.00
Total - Evolution Light 500W 230V		925		203.50

24294**Evolution Light 620/650W 230V**

1/13/2020	525799	175	0.06	10.50
1/16/2020	525817	200	0.06	12.00
2/5/2020	525880	75	0.06	4.50
2/20/2020	525914	41	0.06	2.46
4/1/2020	526027	200	0.06	12.00
4/6/2020	526030	259	0.06	15.54
4/6/2020	526031	100	0.06	6.00
6/23/2020	526155	100	0.06	6.00
7/28/2020	526236	200	0.06	12.00
9/30/2020	526363	200	0.06	12.00
10/8/2020	526388	125	0.06	7.50
11/19/2020	526463	175	0.06	10.50
Total - Evolution Light 620/650W 230V		1,850		111.00

30138**Evolution Light 800W 230V**

1/13/2020	525799	6	0.06	0.36
1/16/2020	525817	25	0.06	1.50
2/5/2020	525880	24	0.06	1.44
2/20/2020	525914	24	0.06	1.44
4/1/2020	526027	25	0.06	1.50
4/6/2020	526031	12	0.06	0.72
6/23/2020	526155	12	0.06	0.72
10/8/2020	526388	25	0.06	1.50
Total - Evolution Light 800W 230V		153		9.18

30139**Evolution Light 1000W 230V**

1/13/2020	525799	12	0.14	1.68
1/16/2020	525817	25	0.14	3.50
2/5/2020	525880	24	0.14	3.36
4/1/2020	526027	25	0.14	3.50
4/6/2020	526031	12	0.14	1.68
6/23/2020	526155	24	0.14	3.36
7/28/2020	526236	48	0.14	6.72
10/8/2020	526388	25	0.14	3.50
11/19/2020	526463	25	0.14	3.50
Total - Evolution Light 1000W 230V		220		30.80

30140**Evolution Light 1400W 230V**

9/9/2020	526314	100	0.14	14.00
Total - Evolution Light 1400W 230V		100		14.00

445001**Eternal Sun 67 - HP 800**

2/27/2020	525945	50	0.15	7.50
3/16/2020	526013	25	0.15	3.75
7/6/2020	526192	30	0.15	4.50
7/9/2020	526201	50	0.15	7.50

	8/4/2020	526246	25	0.15	3.75
	8/31/2020	526299	10	0.15	1.50
	9/17/2020	526333	25	0.15	3.75
	9/28/2020	526359	20	0.15	3.00
	10/7/2020	526384	25	0.15	3.75
	10/22/2020	526412	15	0.15	2.25
	10/26/2020	526416	100	0.15	15.00
	11/2/2020	526432	8	0.15	1.20
	11/19/2020	526466	50	0.15	7.50
Total - Eternal Sun 67 - HP 800			433		64.95
480001					
Eternal Sun 105 - 800W					
	4/3/2020	526028	75	0.12	9.00
	7/9/2020	526204	150	0.12	18.00
	10/7/2020	526384	35	0.12	4.20
	10/22/2020	526412	15	0.12	1.80
	10/29/2020	526425	100	0.12	12.00
	11/19/2020	526466	50	0.12	6.00
Total - Eternal Sun 105 - 800W			425		51.00
900612555					
Ergoline Ultra 520 W					
	2/13/2020	525895	1,500	0.02	30.00
	2/25/2020	525938	125	0.02	2.50
	3/10/2020	525989	900	0.02	18.00
	3/12/2020	526005	250	0.02	5.00
	4/21/2020	526046	500	0.02	10.00
	6/4/2020	526120	100	0.02	2.00
	6/26/2020	526171	1,000	0.02	20.00
	6/26/2020	526172	1,000	0.02	20.00
	7/27/2020	526231	750	0.02	15.00
	8/4/2020	526248	650	0.02	13.00
	8/7/2020	526254	100	0.02	2.00
	8/27/2020	526291	450	0.02	9.00
	9/10/2020	526321	1,100	0.02	22.00
	9/25/2020	526355	700	0.02	14.00
	10/6/2020	526383	500	0.02	10.00
	11/16/2020	526460	1,200	0.02	24.00
	12/7/2020	526499	800	0.02	16.00
Total - Ergoline Ultra 520 W			11,625		232.50
913132641					
HPA 250-500/30 SD FX L					
	2/24/2020	525920	200	0.02	4.00
	8/7/2020	526256	50	0.02	1.00
Total - HPA 250-500/30 SD FX L			250		5.00
913134045					
Cleo HPA 250-500/SE FX					
	1/30/2020	525866	100	0.02	2.00
	1/30/2020	525865	400	0.02	8.00
	2/12/2020	525891	400	0.02	8.00
	2/21/2020	525916	50	0.02	1.00
	3/3/2020	525963	300	0.02	6.00
	3/3/2020	525970	50	0.02	1.00
	3/6/2020	525973	35	0.02	0.70
	5/19/2020	526082	6	0.02	0.12
	6/29/2020	526179	50	0.02	1.00
	6/30/2020	526183	50	0.02	1.00
	7/7/2020	526195	200	0.02	4.00
	7/9/2020	526204	75	0.02	1.50
	8/3/2020	526242	600	0.02	12.00
	8/17/2020	526270	12	0.02	0.24
	8/27/2020	526289	25	0.02	0.50
	8/31/2020	526299	8	0.02	0.16
	9/2/2020	526301	100	0.02	2.00
	9/17/2020	526332	50	0.02	1.00

	9/17/2020	526333	25	0.02	0.50
	9/23/2020	526350	100	0.02	2.00
	9/28/2020	526359	15	0.02	0.30
	9/30/2020	526364	600	0.02	12.00
	10/7/2020	526384	25	0.02	0.50
	10/8/2020	526389	50	0.02	1.00
	10/9/2020	526396	75	0.02	1.50
	10/26/2020	526417	50	0.02	1.00
	11/3/2020	526444	100	0.02	2.00
	11/19/2020	526466	50	0.02	1.00
	12/9/2020	526504	700	0.02	14.00
	12/22/2020	526530	12	0.02	0.24
Total - Cleo HPA 250-500/SE FX			4,313		86.26
913137141					
HPA 400/30 SD L					
	1/9/2020	525796	15	0.03	0.45
	1/14/2020	525811	25	0.03	0.75
	1/22/2020	525840	50	0.03	1.50
	1/24/2020	525850	2	0.03	0.06
	3/2/2020	525961	6	0.03	0.18
	5/5/2020	526062	15	0.03	0.45
	5/19/2020	526081	13	0.03	0.39
	5/20/2020	526084	50	0.03	1.50
	11/3/2020	526442	2	0.03	0.06
	11/30/2020	526477	25	0.03	0.75
	12/2/2020	526485	6	0.03	0.18
	12/21/2020	526529	50	0.03	1.50
Total - HPA 400/30 SD L			259		7.77
913138841					
HPA 400/30 SL					
	1/16/2020	525821	50	0.07	3.50
	1/23/2020	525848	15	0.07	1.05
	1/30/2020	525865	220	0.07	15.40
	2/28/2020	525949	80	0.07	5.60
	2/28/2020	525952	50	0.07	3.50
	2/28/2020	525950	100	0.07	7.00
	2/28/2020	525951	75	0.07	5.25
	3/3/2020	525963	200	0.07	14.00
	4/16/2020	526039	30	0.07	2.10
	5/20/2020	526083	50	0.07	3.50
	7/7/2020	526195	100	0.07	7.00
	7/15/2020	526210	25	0.07	1.75
	8/3/2020	526242	250	0.07	17.50
	8/31/2020	526297	25	0.07	1.75
	9/17/2020	526332	50	0.07	3.50
	9/24/2020	526354	20	0.07	1.40
	9/30/2020	526364	400	0.07	28.00
	10/6/2020	526382	25	0.07	1.75
	10/7/2020	526385	25	0.07	1.75
	10/22/2020	526412	20	0.07	1.40
	11/3/2020	526442	25	0.07	1.75
	11/19/2020	526467	25	0.07	1.75
	11/19/2020	526466	50	0.07	3.50
	12/2/2020	526483	25	0.07	1.75
	12/9/2020	526504	250	0.07	17.50
Total - HPA 400/30 SL			2,185		152.95
919220245					
CLEO HPA 400 S					
	3/16/2020	526012	16	0.06	0.96
	7/14/2020	526208	25	0.06	1.50
	7/28/2020	526234	17	0.06	1.02
	9/24/2020	526354	10	0.06	0.60
	11/3/2020	526442	10	0.06	0.60
	11/10/2020	526453	42	0.06	2.52
Total - CLEO HPA 400 S			120		7.20

920669541**Cleo HPA 700S FX**

1/8/2020	525793	50	0.07	3.50
3/12/2020	526001	110	0.07	7.70
9/22/2020	526344	3	0.07	0.21
12/15/2020	526518	18	0.07	1.26

Total - Cleo HPA 700S FX		181		12.67
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920677041**HPA 250-500 SDC FX**

6/10/2020	526135	12	0.03	0.36
8/27/2020	526289	4	0.03	0.12

Total - HPA 250-500 SDC FX		16		0.48
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938670245**HPA 1010 SE FX**

1/30/2020	525865	25	0.12	3.00
2/12/2020	525891	25	0.12	3.00
2/18/2020	525905	25	0.12	3.00
2/27/2020	525945	75	0.12	9.00
3/3/2020	525963	75	0.12	9.00
4/27/2020	526050	2	0.12	0.24
5/28/2020	526099	50	0.12	6.00
5/28/2020	526096	100	0.12	12.00
6/2/2020	526109	50	0.12	6.00
6/16/2020	526140	25	0.12	3.00
7/6/2020	526192	60	0.12	7.20
7/7/2020	526195	25	0.12	3.00
9/30/2020	526364	75	0.12	9.00
10/7/2020	526384	50	0.12	6.00
10/8/2020	526389	50	0.12	6.00
11/3/2020	526444	25	0.12	3.00
12/9/2020	526504	75	0.12	9.00

Total - HPA 1010 SE FX		812		97.44
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996000101**Ergoline 60/80 EF**

1/16/2020	525816	975	0.22	214.50
2/6/2020	525884	500	0.22	110.00
2/13/2020	525895	800	0.22	176.00
2/25/2020	525938	275	0.22	60.50
3/10/2020	525989	550	0.22	121.00
3/12/2020	526005	200	0.22	44.00
3/17/2020	526014	400	0.22	88.00
6/26/2020	526171	250	0.22	55.00
6/26/2020	526172	1,000	0.22	220.00
6/30/2020	526183	50	0.22	11.00
7/15/2020	526212	10	0.22	2.20
7/27/2020	526231	300	0.22	66.00
8/4/2020	526248	500	0.22	110.00
8/27/2020	526291	350	0.22	77.00
9/10/2020	526321	1,150	0.22	253.00
10/6/2020	526383	500	0.22	110.00
11/16/2020	526460	900	0.22	198.00
12/7/2020	526499	500	0.22	110.00

Total - Ergoline 60/80 EF		9,210		2,026.20
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BLE400**BLE-400 400W MHL**

2/7/2020	525888	150	0.06	9.00
5/28/2020	526100	152	0.06	9.12

Total - BLE-400 400W MHL		302		18.12
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R02362**Radiance HP 600-800W Gy9.5**

3/9/2020	525982	93	0.22	20.46
4/30/2020	526057	262	0.22	57.64

5/15/2020	526077	45	0.22	9.90
12/3/2020	526489	200	0.22	44.00
Total - Radiance HP 600-800W Gy9.5		600		132.00
R02600				
Radiance HP 1000W 230V Wire Lead				
3/9/2020	525982	25	0.14	3.50
Total - Radiance HP 1000W 230V Wire Lead		25		3.50
R02609				
Radiance HP 300/520W 230v Plug In				
2/21/2020	525918	175	0.14	24.50
3/9/2020	525982	200	0.14	28.00
8/11/2020	526262	100	0.14	14.00
12/3/2020	526489	300	0.14	42.00
12/10/2020	526509	25	0.14	3.50
12/28/2020	526536	25	0.14	3.50
Total - Radiance HP 300/520W 230v Plug In		825		115.50
R02610				
Radiance HP 800-1000W GY9.5 230V				
1/22/2020	525833	25	0.12	3.00
3/9/2020	525982	125	0.12	15.00
10/2/2020	526378	75	0.12	9.00
12/3/2020	526489	50	0.12	6.00
12/10/2020	526509	25	0.12	3.00
12/28/2020	526536	125	0.12	15.00
Total - Radiance HP 800-1000W GY9.5 230V		425		51.00
R02614				
Radiance HP 600/650W 230V				
5/27/2020	526095	25	0.15	3.75
10/30/2020	526428	25	0.15	3.75
Total - Radiance HP 600/650W 230V		50		7.50
R03060				
Radiance HP 400/500W 230v Clip-In				
3/9/2020	525982	351	0.14	49.14
5/15/2020	526077	674	0.14	94.36
10/30/2020	526428	200	0.14	28.00
12/3/2020	526489	500	0.14	70.00
12/10/2020	526509	50	0.14	7.00
12/28/2020	526536	775	0.14	108.50
Total - Radiance HP 400/500W 230v Clip-In		2,550		357.00
SQ01400LWL				
SUPRA Q-01400LWL 1400W				
1/23/2020	525845	400	0.14	56.00
Total - SUPRA Q-01400LWL 1400W		400		56.00
SQ01400WL				
SUPRA Q-01400WL 1000-1400W 230V				
3/13/2020	526011	8	0.14	1.12
8/24/2020	526285	2	0.14	0.28
10/1/2020	526371	50	0.14	7.00
Total - SUPRA Q-01400WL 1000-1400W 230V		60		8.40
SQ01530R				
SUPRA Q-01530R 1530W PIN				
1/23/2020	525845	50	0.14	7.00
10/1/2020	526371	75	0.14	10.50
Total - SUPRA Q-01530R 1530W PIN		125		17.50
SQ0250PIGY				
SUPRA Q-0250PIGY				
11/4/2020	526446	126	0.03	3.78
Total - SUPRA Q-0250PIGY		126		3.78

SQ03520PIJK

SUPRA Q-03520PIJK

4/8/2020	526033	200	0.02	4.00
8/24/2020	526285	6	0.02	0.12
10/1/2020	526371	500	0.02	10.00
Total - SUPRA Q-03520PIJK		706		14.12

SQ04500SI

SUPRA Q-04500SI 400-500 230V SI

7/7/2020	526196	600	0.02	12.00
12/11/2020	526512	100	0.02	2.00
Total - SUPRA Q-04500SI 400-500 230V SI		700		14.00

SQ0600PIGYL

SUPRA Q-0600PIGY-L 600W 230V PI

1/23/2020	525845	1,000	0.15	150.00
1/23/2020	525846	60	0.15	9.00
1/29/2020	525864	140	0.15	21.00
2/18/2020	525904	210	0.15	31.50
7/7/2020	526196	1,000	0.15	150.00
8/19/2020	526277	500	0.15	75.00
10/1/2020	526371	800	0.15	120.00
12/11/2020	526512	400	0.15	60.00
12/17/2020	526523	293	0.15	43.95
Total - SUPRA Q-0600PIGY-L 600W 230V PI		4,403		660.45

SQ06630R

SUPRA Q-06630R 630W PIN

1/23/2020	525845	300	0.06	18.00
12/17/2020	526523	58	0.06	3.48
Total - SUPRA Q-06630R 630W PIN		358		21.48

SQ0800SI

SUPRA Q-0800SI

3/13/2020	526011	3	0.06	0.18
Total - SUPRA Q-0800SI		3		0.18

SQ08100PIGYL

SUPRA Q-08100PIGY-L 800-1000W

1/23/2020	525845	300	0.12	36.00
10/1/2020	526371	400	0.12	48.00
Total - SUPRA Q-08100PIGY-L 800-1000W		700		84.00

SQ0900PIGH

SUPRA Q-0900PIGH

1/23/2020	525845	250	0.50	125.00
Total - SUPRA Q-0900PIGH		250		125.00

Total		49,626		5,472
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