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**SIMA Registry and Disclosure Unit**  
Trade and Anti-dumping Programs Directorate  
Canada Border Services Agency  
100 Metcalfe Street, 11th Floor  
Ottawa, Ontario K1A 0L8  
Canada

**Centre de dépôt et de communication des  
documents de la LMSI**  
Direction des programmes commerciaux et  
antidumping  
Agence des services frontaliers du Canada  
100, rue Metcalfe, 11e étage  
Ottawa (Ontario) K1A 0L8  
Canada

# Submission received electronically

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# Soumission reçu électroniquement

Submission Date /  
Date de soumission

**May 06, 2022**

**NON-CONFIDENTIAL**

**SENT VIA E-MAIL**

May 6, 2022

SIMA Registry and Disclosure Unit  
Anti-dumping and Countervailing Program  
Canada Border Services Agency  
11<sup>th</sup> Floor, 100 Metcalfe Street  
Ottawa ON K1A 0L8

**RE: WG / Updated Request for Normal Value and Export Price Review for France and Lithuania in *Wheat Gluten***

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ADM Agri-Industries Co. (“ADM”) and Permolux Ltd. (“Permolux”) are the sole two producers of wheat gluten in Canada. On January 24, 2022, ADM and Permolux submitted a request for a normal value and export price review of wheat gluten covered by the Finding in *Wheat Gluten* (the “Finding”) and exported from France and Lithuania (the “January 2022 NVR Request”).<sup>1</sup> This letter updates the information provided in that request to show that wheat gluten prices and costs of production have continued to increase substantially, causing the normal values and export prices to be out of date and at significant risk of allowing injurious wheat gluten imports into the Canadian market.

**I. THERE HAVE BEEN SIGNIFICANT CHANGES IN WHEAT GLUTEN SELLING PRICES**

In the January 2022 NVR Request, ADM and Permolux demonstrated that selling prices in the subject countries have increased materially from April 2020 through November 2021. Prices have continued to increase through March 2022.

Again, ADM has [

].

Specifically, since November 2021, [ ] wheat gluten average selling prices [ ] increased from [ ] in November 2021 to [ ] in

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<sup>1</sup> See Letter from ADM and Permolux, “WG / Request for Normal Value and Export Price Review for France and Lithuania in *Wheat Gluten*” (January 24, 2022).

March 2022, an increase of [ ] percent. The total increase since April 2020 (the last month of the investigation's period of investigation) is a significant [ ] percent. See **Table 1**, below.

	2020	2021	2022
2020-April	10.0	10.0	10.0
2020-May	10.0	10.0	10.0
2020-June	10.0	10.0	10.0
2020-July	10.0	10.0	10.0
2020-August	10.0	10.0	10.0
2020-September	10.0	10.0	10.0
2020-October	10.0	10.0	10.0
2020-November	10.0	10.0	10.0
2020-December	10.0	10.0	10.0
2021-January	10.0	10.0	10.0
2021-February	10.0	10.0	10.0
2021-March	10.0	10.0	10.0
2021-April	10.0	10.0	10.0
2021-May	10.0	10.0	10.0
2021-June	10.0	10.0	10.0
2021-July	10.0	10.0	10.0
2021-August	10.0	10.0	10.0
2021-September	10.0	10.0	10.0
2021-October	10.0	10.0	10.0
2021-November	10.0	10.0	10.0
2021-December	10.0	10.0	10.0
2022-January	10.0	10.0	10.0
2022-February	10.0	10.0	10.0
2022-March	10.0	10.0	10.0

$$[ \quad ] .$$

<sup>2</sup> Confidential Attachment 1, “Wheat Gluten Selling Prices.”

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These price changes mean that the normal values based on s. 15 of the *SIMA* are no longer reflective of subject country market prices and would justify a normal value review.<sup>3</sup>

## II. THERE HAVE BEEN SIGNIFICANT CHANGES IN COSTS

Producers of wheat gluten have been increasing their prices due to corresponding increases in raw material costs. ADM has obtained updated costs from [ ] to produce wheat gluten at [ ] plant. As it did in the January 2022 NVR Request, [ ] has prepared a report that shows (a) the monthly unit price of wheat and (b) the monthly unit price of flour. As **Table 2** shows, the price of flour and wheat continued to rise since November 2021. Specifically, the price of wheat increased [ ] percent and the price of flour increased by [ ] percent between November 2021 and March 2022. Since April 2020, the price of wheat increased by [ ] percent and the price of flour increased [ ] percent.

Table 2 Wheat Gluten Raw Materials Costs <sup>4</sup>		
Date	Wheat ([ ] /MT)	Flour [ ] /MT)
2020-April	[ ]	[ ]
2020-May	[ ]	[ ]
2020-June	[ ]	[ ]
2020-July	[ ]	[ ]
2020-August	[ ]	[ ]
2020-September	[ ]	[ ]
2020-October	[ ]	[ ]
2020-November	[ ]	[ ]
2020-December	[ ]	[ ]
2021-January	[ ]	[ ]
2021-February	[ ]	[ ]
2021-March	[ ]	[ ]
2021-April	[ ]	[ ]
2021-May	[ ]	[ ]
2021-June	[ ]	[ ]
2021-July	[ ]	[ ]
2021-August	[ ]	[ ]
2021-September	[ ]	[ ]
2021-October	[ ]	[ ]
2021-November	[ ]	[ ]

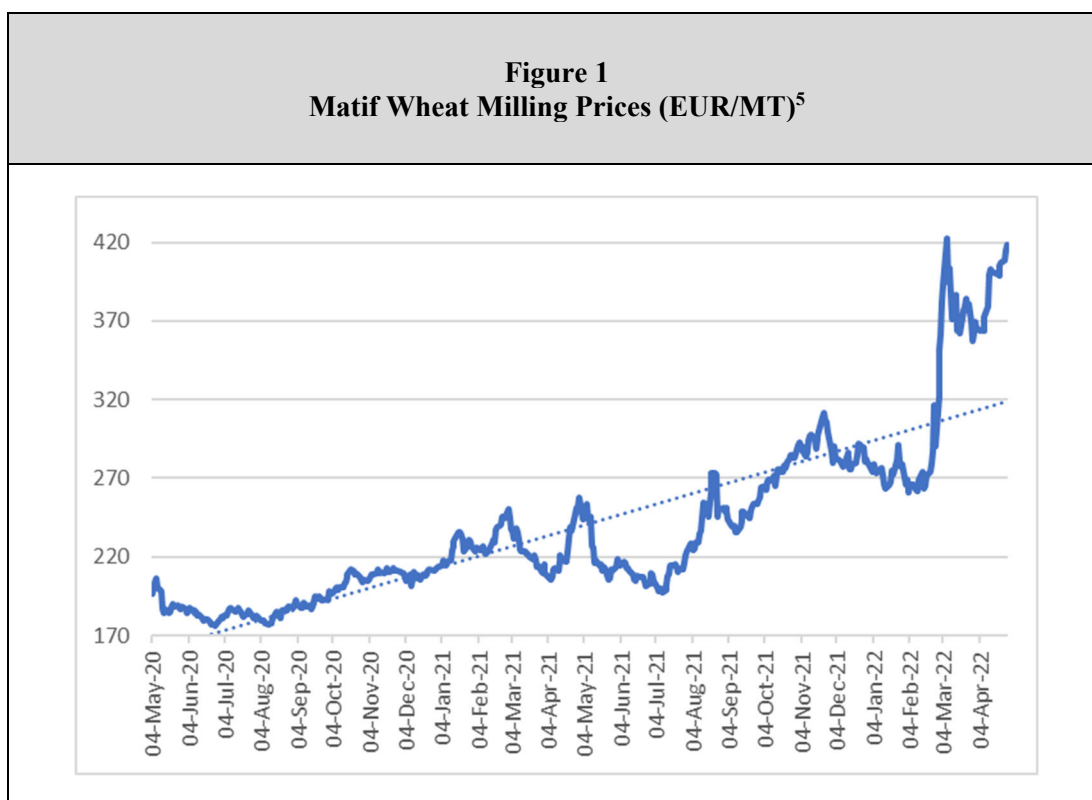
<sup>3</sup> Memorandum D14-1-8, “Re-investigation and Normal Value Review Policy – Special Import Measures Act (SIMA) at para. 13.

<sup>4</sup> Confidential Attachment 2, “Wheat Gluten Costs.”

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Table 2 Wheat Gluten Raw Materials Costs <sup>4</sup>		
Date	Wheat ([ ] /MT)	Flour ([ ] /MT)
2021-December	[ ]	[ ]
2022-January	[ ]	[ ]
2022-February	[ ]	[ ]
2022-March	[ ]	[ ]

The Marche A Terme International de France (“Matif”) Milling Wheat futures – the global benchmark for the price of milling wheat in Europe that tracks the average wheat price per tonne for contracts entered into each day – shows that costs have likely increased even more than the above. As shown in **Figure 1**, between December 1, 2021 and April 27, 2022, the Matif futures increased from EUR 282.00 per tonne to EUR 418.25 per tonne, a 48.3 percent increase. Since May 4, 2020, the Matif futures have increased a staggering 112.8 percent (from EUR 196.5 per tonne to EUR 418.25 per tonne).



<sup>5</sup> Non-Confidential Attachment 3, “Matif Wheat Milling Futures”.

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These cost increases, therefore, mean that the previously issued normal values do not reflect current market conditions. Again, as the re-investigation policy notes, where “the costs and domestic selling prices of the goods have risen considerably over the past two-year period” a normal value review may be justified.<sup>6</sup>

### III. THE EURO HAS DEPRECIATED SIGNIFICANTLY

In the January 2022 NVR Request, ADM and Permolex explained that the Canadian dollar appreciated relative to the Euro in 2021. That appreciation continued into 2022. Specifically, in March and April 2020, the average EUR/CAD exchange rate was 1.53. The Canadian dollar has since appreciated relative to the Euro in 2022, with the April 2022 average EUR/CAD exchange rate now at only 1.36.<sup>7</sup> The 11.1 percent slide in the converted Canadian-dollar normal values allows the European exporters to compete more aggressively in Canada and underscores the need to make sure that normal values reflect contemporaneous prices and costs to ensure a level playing field.

### IV. CONCLUSION

ADM and Permolex reiterate that recent developments in market conditions – namely the rise in wheat gluten prices and costs – make initiating a normal value and export price review of subject imports from France and Lithuania critical. Only through a normal value and export price review will the CBSA ensure that the Finding provides the protection afforded to ADM and Permolex under the *SIMA*.

ADM and Permolex would be happy to answer any questions the CBSA may have about this request, either directly or through counsel.

Sincerely yours,



Andrew M. Lanouette  
Cassidy Levy Kent (Canada) LLP  
Counsel to ADM Agri-Industries Co.



Linden Dales  
Conlin Bedard LLP  
Counsel to Permolex Ltd.

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<sup>6</sup> Memorandum D14-1-8, “Re-investigation and Normal Value Review Policy – Special Import Measures Act (SIMA) at para. 13.

<sup>7</sup> **Non-Confidential Attachment 5, “Bank of Canada Daily Exchange Rates”.**

## ATTACHMENT 1

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### Wheat Gluten Selling Prices

*This Attachment has been designated confidential in its entirety. The Attachment contains business proprietary information, the disclosure of which would be harmful to the domestic industry. It is therefore not susceptible to public summary.*



## ATTACHMENT 2

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### Wheat Gluten Costs

*This Attachment has been designated confidential in its entirety. The Attachment contains business proprietary information, the disclosure of which would be harmful to the domestic industry. It is therefore not susceptible to public summary.*

## ATTACHMENT 3

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Matif Wheat Milling Futures

## Attachment 3

Matif Wheat Milling Prices (EUR/MT)

Source: Investing.com

Date	Price	Open	High	Low	Vol.	Change %
27-Apr-22	418.25	413.75	419.5	412.25	8.10K	0.72%
26-Apr-22	415.25	413	415.5	411	16.15K	1.71%
25-Apr-22	408.25	406	412	401.25	10.37K	0.31%
22-Apr-22	407	404.25	414	404.25	15.20K	0.31%
21-Apr-22	405.75	398.25	408.5	396.75	22.42K	1.82%
20-Apr-22	398.5	399.5	400.5	394.5	22.53K	-0.25%
19-Apr-22	399.5	410	411	397.75	29.23K	-0.37%
14-Apr-22	401	405	411	400	14.27K	-0.50%
13-Apr-22	403	394	409.5	390.75	29.95K	0.94%
12-Apr-22	399.25	383	400	382.75	25.51K	5.20%
11-Apr-22	379.5	375	380.5	373.75	12.36K	1.81%
08-Apr-22	372.75	364.25	375	363.5	16.43K	2.47%
07-Apr-22	363.75	363.5	367.5	363	12.85K	-0.07%
06-Apr-22	364	363.75	369.75	362.75	14.02K	-0.14%
05-Apr-22	364.5	369.5	372.75	363.75	17.52K	0.21%
04-Apr-22	363.75	369.5	370.5	362.5	13.29K	-0.41%
01-Apr-22	365.25	365.75	372.25	362.75	17.87K	-1.15%
31-Mar-22	369.5	363.25	374	360.75	17.12K	1.93%
30-Mar-22	362.5	357.5	367.25	355.5	26.95K	1.40%
29-Mar-22	357.5	371	373.5	347.5	36.86K	-3.31%
28-Mar-22	369.75	374.25	377	367.75	17.82K	-3.02%
25-Mar-22	381.25	373.25	383.5	371.25	19.76K	1.26%
24-Mar-22	376.5	381.75	383.5	374	19.88K	-2.08%
23-Mar-22	384.5	382.25	388.5	380	18.30K	1.45%
22-Mar-22	379	379.5	388.75	373.25	24.15K	0.60%
21-Mar-22	376.75	364	378.75	364	14.92K	4.15%
18-Mar-22	361.75	365	366.25	360.25	14.69K	-1.63%
17-Mar-22	367.75	365.5	370.75	361	19.77K	1.17%
16-Mar-22	363.5	381.5	384.25	360	34.29K	-5.95%
15-Mar-22	386.5	385	392.5	374	27.61K	2.05%
14-Mar-22	378.75	366.5	386.5	362.25	27.84K	2.16%
11-Mar-22	370.75	374.25	376	362.5	25.57K	-4.01%
10-Mar-22	386.25	387.25	388	384.25	0.09K	-4.28%
09-Mar-22	403.5	398	403.75	392.25	0.08K	2.15%
08-Mar-22	395	424.5	425	395	0.07K	-6.51%
07-Mar-22	422.5	430	450	422.5	0.18K	7.30%
04-Mar-22	393.75	400	426	377.25	0.76K	3.14%
03-Mar-22	381.75	366	390.75	355	0.78K	5.75%
02-Mar-22	361	370	390	349.75	2.78K	2.78%
01-Mar-22	351.25	331.25	352.25	331.25	5.64K	8.91%
28-Feb-22	322.5	302.5	323.75	302.5	3.83K	11.21%
25-Feb-22	290	308.5	314.25	289.25	5.52K	-8.37%

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24-Feb-22	316.5	307.25	344	307.25	11.20K	10.28%
23-Feb-22	287	280	287.75	279	11.09K	3.05%
22-Feb-22	278.5	281	282.75	273.25	16.81K	1.64%
21-Feb-22	274	272	275	269	8.56K	0.83%
18-Feb-22	271.75	264.75	272.75	262.75	18.50K	2.55%
17-Feb-22	265	266.75	267.25	263.25	13.55K	0.76%
16-Feb-22	263	266	266	262.5	22.79K	-1.41%
15-Feb-22	266.75	270.25	270.25	264.5	32.24K	-2.65%
14-Feb-22	274	271.5	274.5	269	31.83K	1.95%
11-Feb-22	268.75	261.25	269.5	261.25	17.74K	2.77%
10-Feb-22	261.5	266.5	271.25	260.75	34.48K	-0.48%
09-Feb-22	262.75	265.25	265.5	261	34.11K	-0.66%
08-Feb-22	264.5	264.5	266.25	260.75	18.40K	-0.56%
07-Feb-22	266	267	269	265	17.37K	0.19%
04-Feb-22	265.5	262	266.5	260.75	22.88K	1.63%
03-Feb-22	261.25	262.25	263.25	259	36.50K	-1.14%
02-Feb-22	264.25	268.25	269.5	263.25	32.12K	-1.86%
01-Feb-22	269.25	267.75	272.25	267	31.89K	1.22%
31-Jan-22	266	280.5	281.75	264	38.25K	-4.57%
28-Jan-22	278.75	279.75	281.25	275.25	19.93K	0.54%
27-Jan-22	277.25	280.5	283.5	275.5	25.94K	-1.42%
26-Jan-22	281.25	288.25	289	280	30.10K	-3.27%
25-Jan-22	290.75	284.25	291.75	284.25	48.29K	3.47%
24-Jan-22	281	273.75	281.5	273.5	34.00K	3.12%
21-Jan-22	272.5	272.5	275	271	15.14K	-0.46%
20-Jan-22	273.75	275.25	276	272.25	28.05K	-0.36%
19-Jan-22	274.75	270.75	275	269.75	46.28K	2.61%
18-Jan-22	267.75	266.75	269.25	264.5	28.12K	0.75%
17-Jan-22	265.75	263.25	266.5	262.25	16.33K	0.85%
14-Jan-22	263.5	263.75	265	259.75	39.40K	-0.85%
13-Jan-22	265.75	269.25	269.25	264.5	38.40K	-2.03%
12-Jan-22	271.25	277	277.25	270.5	35.88K	-1.99%
11-Jan-22	276.75	275	278.25	275	20.43K	0.45%
10-Jan-22	275.5	274	276.5	273.25	18.20K	0.36%
07-Jan-22	274.5	271.5	275	270.75	25.59K	0.55%
06-Jan-22	273	274.25	275	271.75	26.50K	-1.09%
05-Jan-22	276	278.25	279.75	274.5	22.72K	-1.16%
04-Jan-22	279.25	273	279.5	273	26.06K	1.92%
03-Jan-22	274	280.25	282	272.25	32.21K	-1.62%
31-Dec-21	278.5	280.5	281	277.5	5.45K	-0.54%
30-Dec-21	280	281	282.25	279.5	6.46K	-0.80%
29-Dec-21	282.25	280.75	282.75	279	17.02K	0.62%
28-Dec-21	280.5	288	288	279.5	30.38K	-3.11%
27-Dec-21	289.5	292	295	288.75	6.41K	-0.26%
24-Dec-21	290.25	291	291.5	288.75	1.19K	-0.17%
23-Dec-21	290.75	293	293.25	288.75	17.35K	-0.51%
22-Dec-21	292.25	287.75	293	286.25	29.84K	2.54%

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21-Dec-21	285	280	286.75	278	24.35K	1.88%
20-Dec-21	279.75	275	280	272.75	17.79K	0.45%
17-Dec-21	278.5	278	279.75	276.25	22.29K	0.91%
16-Dec-21	276	276.5	277.75	272.25	31.50K	0.09%
15-Dec-21	275.75	280	281.75	274.25	38.59K	-2.99%
14-Dec-21	284.25	284.25	285.5	280.25	28.72K	-0.70%
13-Dec-21	286.25	283	286.5	279.5	30.02K	2.69%
10-Dec-21	278.75	278.5	281.75	278.25	0.01K	0.63%
09-Dec-21	277	278.5	281	276.25	0.20K	-0.72%
08-Dec-21	279	279.75	279.75	274	0.74K	-0.45%
07-Dec-21	280.25	280	283.75	276.75	0.59K	-0.27%
06-Dec-21	281	283	284.25	279	1.17K	-0.71%
03-Dec-21	283	289.25	289.75	281.75	1.17K	-2.58%
02-Dec-21	290.5	285.25	291.5	284.5	1.64K	3.01%
01-Dec-21	282	284	285	279.25	2.60K	0.89%
30-Nov-21	279.5	283.5	287	277	2.66K	-2.61%
29-Nov-21	287	300.5	302.5	286.25	8.56K	-4.09%
26-Nov-21	299.25	302.75	302.75	297.5	6.06K	-2.05%
25-Nov-21	305.5	307	307	302.25	5.34K	-0.24%
24-Nov-21	306.25	312.75	313.5	305	24.30K	-1.69%
23-Nov-21	311.5	307.75	312.25	307	23.40K	0.81%
22-Nov-21	309	303.75	310.25	303.75	21.91K	3.09%
19-Nov-21	299.75	299	303.25	294.75	17.10K	0.93%
18-Nov-21	297	296.75	301	296.5	18.57K	0.51%
17-Nov-21	295.5	289.75	298	289	27.37K	2.25%
16-Nov-21	289	295	296.5	288.5	33.76K	-1.95%
15-Nov-21	294.75	297	297	293	41.68K	-0.84%
12-Nov-21	297.25	298.75	299.25	294.5	29.61K	0.08%
11-Nov-21	297	295.75	300.5	295	24.79K	0.76%
10-Nov-21	294.75	287	295.25	286.25	34.82K	3.06%
09-Nov-21	286	284.75	286.5	282.25	22.71K	0.79%
08-Nov-21	283.75	288.75	289	282.75	21.40K	-1.39%
05-Nov-21	287.75	291.25	291.5	287.5	20.09K	-0.78%
04-Nov-21	290	291.25	292.25	289.25	16.05K	0.17%
03-Nov-21	289.5	293.5	296	289	27.21K	-1.11%
02-Nov-21	292.75	292.75	297	291.75	21.97K	0.52%
01-Nov-21	291.25	283.75	293.25	283.5	28.48K	2.82%
29-Oct-21	283.25	283	284.5	281.25	15.75K	0.09%
28-Oct-21	283	285.25	286.25	282.25	22.43K	-0.61%
27-Oct-21	284.75	280.75	286.75	280.25	25.13K	0.00%
26-Oct-21	284.75	281.25	285	279.25	21.05K	0.98%
25-Oct-21	282	282	283	280.25	20.57K	0.71%
22-Oct-21	280	278.25	280.75	278	22.94K	1.27%
21-Oct-21	276.5	277.5	278	275.5	16.44K	-0.63%
20-Oct-21	278.25	275	278.75	274	18.87K	1.64%
19-Oct-21	273.75	275.25	276	272.25	16.66K	-0.09%
18-Oct-21	274	276.5	277.75	273	26.16K	-0.72%

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15-Oct-21	276	271.5	276.75	270.75	34.61K	2.03%
14-Oct-21	270.5	266	271	265.5	36.16K	2.17%
13-Oct-21	264.75	271.5	271.5	264	41.21K	-2.49%
12-Oct-21	271.5	269	273	267.25	46.18K	1.12%
11-Oct-21	268.5	269.5	271.5	267.25	19.35K	-0.19%
08-Oct-21	269	269.5	272	268.25	28.57K	-0.09%
07-Oct-21	269.25	268	270	265.5	21.73K	0.37%
06-Oct-21	268.25	262.75	268.75	262.75	28.23K	2.09%
05-Oct-21	262.75	265	265	261.25	36.61K	-0.94%
04-Oct-21	265.25	265	266.5	263.25	35.47K	0.38%
01-Oct-21	264.25	260.75	265.75	259.25	43.57K	2.42%
30-Sep-21	258	255.75	262.75	255.75	42.82K	0.78%
29-Sep-21	256	254	257.75	253	30.92K	0.79%
28-Sep-21	254	252.75	257.25	252.25	45.56K	0.30%
27-Sep-21	253.25	253.25	253.75	251.5	26.77K	0.00%
24-Sep-21	253.25	250.5	253.75	250.25	-	0.50%
23-Sep-21	252	251	252.5	249.75	40.68K	1.00%
22-Sep-21	249.5	245.25	249.75	244.75	33.95K	2.15%
21-Sep-21	244.25	245.25	246.75	243.25	30.75K	-0.61%
20-Sep-21	245.75	246.75	247	244.75	27.69K	-0.81%
17-Sep-21	247.75	249	249.25	247	17.44K	-0.40%
16-Sep-21	248.75	248.5	249.25	247	29.49K	0.10%
15-Sep-21	248.5	243.25	249.25	243.25	43.43K	2.26%
14-Sep-21	243	240.5	244.25	240	45.80K	1.67%
13-Sep-21	239	237.5	239.25	236.75	28.62K	1.38%
10-Sep-21	235.75	231	236	231	0.12K	0.21%
09-Sep-21	235.25	235.25	240	233.75	0.16K	-1.77%
08-Sep-21	239.5	239	240	238	0.24K	0.10%
07-Sep-21	239.25	243.5	243.5	236	0.32K	-0.31%
06-Sep-21	240	243.5	245.25	235	1.57K	-1.54%
03-Sep-21	243.75	249	249	243.5	1.69K	-1.91%
02-Sep-21	248.5	245.5	252.75	245.5	1.56K	-0.90%
01-Sep-21	250.75	252	253	248	0.75K	0.80%
31-Aug-21	248.75	250	253.75	245.5	1.62K	-0.80%
30-Aug-21	250.75	253	255	250.75	0.98K	0.30%
27-Aug-21	250	250.25	252.25	247	1.97K	-0.40%
26-Aug-21	251	248.75	261	247	4.97K	2.34%
25-Aug-21	245.25	272.75	272.75	243.25	10.85K	-10.08%
24-Aug-21	272.75	273.75	274.5	269.5	3.47K	-0.27%
23-Aug-21	273.5	274.5	283.75	268.5	6.66K	0.09%
20-Aug-21	273.25	262	279.25	261.5	12.64K	4.69%
19-Aug-21	261	253.75	262	251	12.39K	2.65%
18-Aug-21	254.25	244.5	257	242.25	9.07K	3.46%
17-Aug-21	245.75	251.5	251.5	244.75	15.97K	-2.67%
16-Aug-21	252.5	255.25	259	249.75	19.23K	-0.79%
13-Aug-21	254.5	246.5	260	246	41.04K	3.56%
12-Aug-21	245.75	237.5	246.75	236.5	27.25K	3.91%

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11-Aug-21	236.5	233.25	238.5	233 15.94K	0.85%
10-Aug-21	234.5	229.5	235.5	229 15.08K	2.29%
09-Aug-21	229.25	228.5	230	227.75 10.27K	-0.11%
06-Aug-21	229.5	224.5	230.75	224.25 11.08K	2.00%
05-Aug-21	225	225	227.25	224 18.56K	0.33%
04-Aug-21	224.25	230	231.75	223.75 36.53K	-1.75%
03-Aug-21	228.25	226.75	231	226 22.29K	-0.11%
02-Aug-21	228.5	225	229	224 23.28K	2.35%
30-Jul-21	223.25	221.5	224	216.75 30.05K	1.13%
29-Jul-21	220.75	218	221.5	217 30.65K	2.08%
28-Jul-21	216.25	213	216.5	213 23.80K	2.00%
27-Jul-21	212	213.25	214.5	211 18.99K	-0.47%
26-Jul-21	213	209.5	213	209 18.45K	0.47%
23-Jul-21	212	210	213	208.75 14.12K	0.95%
22-Jul-21	210	211.5	212.5	209 23.32K	-1.75%
21-Jul-21	213.75	216.75	217	212.75 17.90K	-0.81%
20-Jul-21	215.5	217.5	218	215.25 17.22K	0.58%
19-Jul-21	214.25	217.25	217.5	212.5 20.74K	0.00%
16-Jul-21	214.25	210	215	210 22.61K	2.63%
15-Jul-21	208.75	208.5	210.25	207 15.69K	0.24%
14-Jul-21	208.25	203.5	209	201.75 20.65K	2.84%
13-Jul-21	202.5	199.75	203.5	197.75 17.08K	1.76%
12-Jul-21	199	197.5	200.5	196.75 18.96K	0.89%
09-Jul-21	197.25	198.5	199.5	196.75 13.64K	-1.25%
08-Jul-21	199.75	199.5	201.75	198.25 18.06K	-0.13%
07-Jul-21	200	199.5	200.75	198.75 24.18K	0.88%
06-Jul-21	198.25	199.75	200.25	196.25 28.82K	-1.12%
05-Jul-21	200.5	204.75	205	199.5 24.57K	-2.20%
02-Jul-21	205	209.25	210.25	204.25 14.74K	-1.91%
01-Jul-21	209	210.75	214	208.25 22.88K	-0.12%
30-Jun-21	209.25	202.25	210.75	201.5 31.14K	3.21%
29-Jun-21	202.75	202.25	204.25	202.25 8.24K	-0.12%
28-Jun-21	203	202.25	204.25	202 14.66K	0.74%
25-Jun-21	201.5	205.75	206	200.75 21.26K	-1.47%
24-Jun-21	204.5	206.25	207.75	203.5 20.95K	-1.09%
23-Jun-21	206.75	208.25	209.5	206 17.69K	-0.12%
22-Jun-21	207	208	209	207 11.55K	-0.12%
21-Jun-21	207.25	206.5	208.75	204.5 12.63K	-0.48%
18-Jun-21	208.25	205	209	204.75 14.71K	1.83%
17-Jun-21	204.5	205.5	206	204.25 19.74K	-0.97%
16-Jun-21	206.5	205.75	207.75	205.25 16.19K	0.36%
15-Jun-21	205.75	207	208	205.25 21.30K	-1.56%
14-Jun-21	209	208	210	206.5 16.93K	-1.07%
11-Jun-21	211.25	211.75	213.75	209.25 25.21K	-0.59%
10-Jun-21	212.5	212.75	214.75	210.25 27.08K	0.00%
09-Jun-21	212.5	215	215	211.5 20.50K	-1.73%
08-Jun-21	216.25	218.5	218.75	215.5 15.23K	-0.12%

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07-Jun-21	216.5	217.25	219.75	215.5	16.21K	0.81%
04-Jun-21	214.75	215.5	217	214.25	12.13K	-0.35%
03-Jun-21	215.5	217.75	220	213.75	18.08K	0.23%
02-Jun-21	215	219.5	221.5	214.25	19.48K	-1.71%
01-Jun-21	218.75	215	219	213.75	23.10K	2.34%
31-May-21	213.75	210.75	214.25	209.75	6.09K	1.18%
28-May-21	211.25	212.5	212.75	209	17.58K	-0.35%
27-May-21	212	207	212.5	206.75	20.88K	2.91%
26-May-21	206	204	206.75	201.75	29.15K	0.37%
25-May-21	205.25	208.25	209.75	203.75	23.97K	-1.44%
24-May-21	208.25	210	210.25	206.75	17.43K	-2.12%
21-May-21	212.75	212.5	213.75	211	12.67K	-0.47%
20-May-21	213.75	211.75	214.75	211	20.52K	1.06%
19-May-21	211.5	212.5	213.75	209.75	34.95K	-1.63%
18-May-21	215	216.25	218.5	214	15.31K	0.23%
17-May-21	214.5	214.25	217.75	213.5	17.28K	-1.61%
14-May-21	218	219	222.25	215.5	32.23K	0.93%
13-May-21	216	224	224	214.5	27.10K	-4.21%
12-May-21	225.5	228	229.75	224	17.32K	-0.55%
11-May-21	226.75	223.25	229.5	222.5	16.08K	-7.73%
10-May-21	245.75	245	255	231	3.28K	0.82%
07-May-21	243.75	258.75	270	243	1.49K	-3.85%
06-May-21	253.5	257.5	257.5	251.25	0.81K	2.01%
05-May-21	248.5	252.75	259.75	247	1.74K	-1.49%
04-May-21	252.25	242.25	255	240.25	1.59K	3.59%
03-May-21	243.5	259	261.75	240.25	8.00K	-5.53%
30-Apr-21	257.75	252	258.5	248	9.43K	2.59%
29-Apr-21	251.25	250.5	257.5	249	8.89K	0.00%
28-Apr-21	251.25	243	252.25	242.25	8.57K	1.62%
27-Apr-21	247.25	249.25	252.75	245.75	12.53K	0.20%
26-Apr-21	246.75	240	248.75	240	11.57K	4.44%
23-Apr-21	236.25	235	237.75	233	7.73K	-0.94%
22-Apr-21	238.5	233	240	232.5	18.07K	3.02%
21-Apr-21	231.5	224.75	233	224.5	24.83K	3.81%
20-Apr-21	223	217.25	224	216.75	13.28K	3.00%
19-Apr-21	216.5	218	218.25	214.5	20.04K	-0.57%
16-Apr-21	217.75	221	221.25	217	23.37K	-0.80%
15-Apr-21	219.5	222	222.5	217.75	21.26K	-0.57%
14-Apr-21	220.75	219	222	218.5	29.87K	1.49%
13-Apr-21	217.5	212	218.75	211	17.84K	2.96%
12-Apr-21	211.25	211.75	212.75	210.25	11.76K	-0.71%
09-Apr-21	212.75	212.25	215.25	211	18.41K	0.47%
08-Apr-21	211.75	207.75	212.75	207.75	19.94K	2.17%
07-Apr-21	207.25	205	207.75	204	20.65K	0.73%
06-Apr-21	205.75	209.5	210.75	205	28.77K	-1.67%
01-Apr-21	209.25	216	216.75	207.25	34.76K	-2.90%
31-Mar-21	215.5	210.25	218	208.75	36.13K	2.74%



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30-Mar-21	209.75	210.75	212.25	208.75	30.43K	-0.47%
29-Mar-21	210.75	214.25	214.5	210.25	27.30K	-1.86%
26-Mar-21	214.75	214	215.25	213.5	17.34K	0.35%
25-Mar-21	214	217.5	217.5	213.5	39.41K	-2.06%
24-Mar-21	218.5	221.25	222.25	217.5	30.08K	-1.13%
23-Mar-21	221	218.5	222.25	218.25	24.17K	1.03%
22-Mar-21	218.75	219.25	220	218.25	19.85K	-0.46%
19-Mar-21	219.75	221	221.25	218.5	25.07K	-0.34%
18-Mar-21	220.5	221	221.25	220	22.42K	-0.45%
17-Mar-21	221.5	221.5	223.25	220.5	15.27K	-0.23%
16-Mar-21	222	222.25	222.75	220	30.84K	-0.45%
15-Mar-21	223	222.5	223.5	220.25	25.71K	-0.11%
12-Mar-21	223.25	224	225	223	23.99K	-0.56%
11-Mar-21	224.5	227.75	228.25	224.25	28.33K	-2.71%
10-Mar-21	230.75	230.5	231	230.25	0.96K	-2.22%
09-Mar-21	236	236.25	238	233.5	0.63K	-0.84%
08-Mar-21	238	232	240	232	1.24K	2.81%
05-Mar-21	231.5	236.25	236.25	230.75	2.19K	-2.01%
04-Mar-21	236.25	238	238.75	235.5	1.34K	-0.42%
03-Mar-21	237.25	246	247	236.25	2.48K	-3.16%
02-Mar-21	245	251	252.5	242.75	5.72K	-2.00%
01-Mar-21	250	245	252.75	244.75	6.75K	2.04%
26-Feb-21	245	244.5	246.75	243	7.49K	-0.31%
25-Feb-21	245.75	245	246.75	242.75	12.78K	0.20%
24-Feb-21	245.25	241	246.25	240.75	11.08K	1.87%
23-Feb-21	240.75	239.25	241	237.5	12.14K	0.52%
22-Feb-21	239.5	239.5	241.75	238.5	17.90K	0.31%
19-Feb-21	238.75	237	242.75	236.5	25.80K	0.53%
18-Feb-21	237.5	229.5	238	229.5	45.81K	3.71%
17-Feb-21	229	230	230.5	228.5	15.07K	-0.65%
16-Feb-21	230.5	229.75	231.25	229	28.15K	0.88%
15-Feb-21	228.5	225	229.75	224.25	27.05K	2.12%
12-Feb-21	223.75	223	224.25	222	24.31K	0.56%
11-Feb-21	222.5	221.25	224	221.25	19.52K	0.45%
10-Feb-21	221.5	223	224	221.25	24.70K	-1.01%
09-Feb-21	223.75	226.25	227.5	223.5	32.30K	-1.21%
08-Feb-21	226.5	225	227	224.75	18.72K	0.89%
05-Feb-21	224.5	225	226.75	223.5	18.78K	-0.11%
04-Feb-21	224.75	226	226.75	224	20.26K	0.00%
03-Feb-21	224.75	223.5	225.25	221.25	21.76K	-0.55%
02-Feb-21	226	224.5	226.75	222.25	36.46K	1.12%
01-Feb-21	223.5	228.25	228.75	222.5	30.20K	-1.54%
29-Jan-21	227	229.25	230	224	43.90K	-1.20%
28-Jan-21	229.75	228.5	231.75	227	50.72K	-0.54%
27-Jan-21	231	230.25	232.75	229	40.46K	0.54%
26-Jan-21	229.75	227.5	230.25	226.5	38.07K	1.43%
25-Jan-21	226.5	223.75	227.25	222	38.85K	1.46%

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22-Jan-21	223.25	231.5	231.5	222 48.33K	-3.67%
21-Jan-21	231.75	234.75	235.25	229.75 35.51K	-0.96%
20-Jan-21	234	233	235.75	231.5 38.97K	-0.74%
19-Jan-21	235.75	238.5	240.25	234.5 50.69K	0.00%
18-Jan-21	235.75	232.25	236	232.25 21.58K	1.84%
15-Jan-21	231.5	235	235.75	231 51.98K	0.76%
14-Jan-21	229.75	226.75	230.25	226.25 33.91K	1.32%
13-Jan-21	226.75	224.5	232.75	224.25 66.90K	1.00%
12-Jan-21	224.5	220.5	225	220.25 55.75K	2.98%
11-Jan-21	218	216	219.5	215.75 33.58K	0.58%
08-Jan-21	216.75	215.5	217	214.75 21.32K	1.05%
07-Jan-21	214.5	215	215.5	213.75 31.06K	-0.69%
06-Jan-21	216	218.5	219	215.5 35.75K	-0.80%
05-Jan-21	217.75	214.5	218.25	214.5 32.40K	1.63%
04-Jan-21	214.25	215.5	216.25	213.5 27.56K	0.47%
31-Dec-20	213.25	213	214	212.5 3.64K	0.12%
30-Dec-20	213	211	214.5	211 16.06K	0.47%
29-Dec-20	212	211	212.75	210.5 12.74K	0.47%
28-Dec-20	211	211.5	211.75	208.25 17.57K	-0.35%
24-Dec-20	211.75	211.5	212	210.75 4.43K	0.24%
23-Dec-20	211.25	208.75	211.5	208.75 21.57K	1.08%
22-Dec-20	209	207.5	209.75	207.25 12.04K	0.48%
21-Dec-20	208	208.75	208.75	207 9.73K	-0.24%
18-Dec-20	208.5	208	209.25	207.5 21.64K	0.60%
17-Dec-20	207.25	206.25	207.5	205.25 20.75K	0.73%
16-Dec-20	205.75	208	208	204.5 23.34K	-0.72%
15-Dec-20	207.25	207.25	208.75	205.75 27.56K	0.48%
14-Dec-20	206.25	209.75	210.25	205.75 35.19K	-2.02%
11-Dec-20	210.5	205.5	211.25	205.5 41.81K	2.43%
10-Dec-20	205.5	205.5	205.5	205.5 -	2.24%
09-Dec-20	201	209	210	201 1.77K	-3.83%
08-Dec-20	209	206.25	210	206.25 1.12K	1.09%
07-Dec-20	206.75	204	207.5	202 0.95K	0.85%
04-Dec-20	205	208	208.75	204.25 2.29K	-1.56%
03-Dec-20	208.25	209.75	209.75	206.25 7.33K	-0.72%
02-Dec-20	209.75	209.75	210.75	208.5 12.26K	0.12%
01-Dec-20	209.5	210	211.25	209.25 14.84K	-0.36%
30-Nov-20	210.25	211.25	212	210 11.83K	-0.59%
27-Nov-20	211.5	211.75	213.25	211.25 11.73K	0.00%
26-Nov-20	211.5	210.5	211.75	210.5 6.91K	0.24%
25-Nov-20	211	213	213.75	210.75 13.80K	-0.82%
24-Nov-20	212.75	211	213.5	210.75 27.10K	0.59%
23-Nov-20	211.5	211.5	212.5	211.25 21.82K	0.36%
20-Nov-20	210.75	210.75	211.5	210.25 13.36K	0.12%
19-Nov-20	210.5	211.75	212.5	210.25 16.25K	-1.06%
18-Nov-20	212.75	210.5	213	209.75 19.67K	1.19%
17-Nov-20	210.25	209.75	210.5	209 30.24K	0.48%

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16-Nov-20	209.25	209.5	209.75	208.25	17.18K	-0.36%
13-Nov-20	210	209.5	210.25	208.75	21.36K	0.24%
12-Nov-20	209.5	210.5	212.25	209.5	31.00K	-0.83%
11-Nov-20	211.25	213	213.25	211	28.10K	-0.35%
10-Nov-20	212	209.75	212.5	209.25	28.53K	1.31%
09-Nov-20	209.25	207.75	210	207.5	12.42K	0.24%
06-Nov-20	208.75	209.25	210.75	208.25	31.32K	-0.12%
05-Nov-20	209	208.75	210.75	208	31.22K	1.09%
04-Nov-20	206.75	204.75	207.75	204.25	22.59K	0.73%
03-Nov-20	205.25	206.5	207.75	204.25	25.07K	0.12%
02-Nov-20	205	204.5	205.75	202.75	25.30K	-0.12%
30-Oct-20	205.25	205	206.25	204	27.07K	0.12%
29-Oct-20	205	202.5	205.25	202	30.94K	0.49%
28-Oct-20	204	204	204.75	202.5	43.51K	-0.85%
27-Oct-20	205.75	208.25	208.75	205.25	31.19K	-0.72%
26-Oct-20	207.25	209	209	206.5	37.18K	-1.19%
23-Oct-20	209.75	209.25	210.75	208.75	40.29K	0.36%
22-Oct-20	209	210.25	211	208.75	55.00K	-1.07%
21-Oct-20	211.25	211.25	213.25	211	28.32K	0.00%
20-Oct-20	211.25	212.5	214	210.25	32.23K	-0.24%
19-Oct-20	211.75	210.5	212	208.75	39.27K	1.32%
16-Oct-20	209	207.5	209.5	206.25	44.65K	1.09%
15-Oct-20	206.75	204.5	207.25	204	34.89K	1.60%
14-Oct-20	203.5	203	204	201.25	51.23K	0.37%
13-Oct-20	202.75	201.75	203.5	201.5	34.47K	1.00%
12-Oct-20	200.75	199.75	201.75	199.75	24.08K	0.25%
09-Oct-20	200.25	199.75	200.75	198	32.54K	0.63%
08-Oct-20	199	201.5	202.25	198.25	46.84K	-0.75%
07-Oct-20	200.5	200.75	202.25	199.5	41.39K	0.25%
06-Oct-20	200	197.5	201	197.25	41.74K	1.14%
05-Oct-20	197.75	198.25	198.5	197	37.42K	0.51%
02-Oct-20	196.75	196.5	197	194.5	36.11K	-0.13%
01-Oct-20	197	197.75	198.5	196.5	39.47K	-0.38%
30-Sep-20	197.75	192.75	198.25	192.75	54.00K	2.86%
29-Sep-20	192.25	192.5	193.75	192	22.88K	-0.52%
28-Sep-20	193.25	191.75	193.5	191	29.94K	0.52%
25-Sep-20	192.25	192	193	192	18.34K	0.00%
24-Sep-20	192.25	193	193.25	191.5	44.36K	-0.90%
23-Sep-20	194	194.25	195	193.5	35.45K	-0.39%
22-Sep-20	194.75	193.25	195.75	193	52.98K	0.78%
21-Sep-20	193.25	193.5	195	193	40.52K	-0.64%
18-Sep-20	194.5	193	194.75	192	46.59K	1.43%
17-Sep-20	191.75	188.5	192.25	188.25	51.46K	1.99%
16-Sep-20	188	186.5	188.25	186.5	29.51K	0.67%
15-Sep-20	186.75	188.75	189	186.5	42.24K	-1.06%
14-Sep-20	188.75	188.75	189.5	188.25	23.25K	0.13%
11-Sep-20	188.5	190	190	188.25	29.48K	-0.79%

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10-Sep-20	190	191.5	192	186.75	0.03K	-0.52%
09-Sep-20	191	187.75	191.5	186.5	0.35K	1.73%
08-Sep-20	187.75	187.75	188	186.5	0.89K	0.00%
07-Sep-20	187.75	189.75	190	187	0.95K	-0.79%
04-Sep-20	189.25	189.75	190	189	1.18K	-0.26%
03-Sep-20	189.75	192.5	194	188.5	2.87K	-1.43%
02-Sep-20	192.5	190	192.5	189.5	4.43K	1.32%
01-Sep-20	190	188	190.25	187.25	5.15K	1.20%
31-Aug-20	187.75	188.75	189.75	187.25	4.08K	-0.13%
28-Aug-20	188	188	188.75	187.25	3.84K	-0.27%
27-Aug-20	188.5	186.5	188.5	186.25	7.22K	1.34%
26-Aug-20	186	186.75	186.75	185	4.60K	-0.27%
25-Aug-20	186.5	186	187	185.75	8.43K	0.40%
24-Aug-20	185.75	185.25	187	185.25	9.59K	-0.27%
21-Aug-20	186.25	182.25	186.75	182.25	16.79K	2.76%
20-Aug-20	181.25	182	182.75	181	5.97K	-0.55%
19-Aug-20	182.25	183.75	184.25	180.75	10.08K	-0.41%
18-Aug-20	183	184.25	184.75	182.75	16.73K	-0.95%
17-Aug-20	184.75	182.5	185	181.25	17.93K	2.21%
14-Aug-20	180.75	178.25	182.5	177.5	17.44K	1.40%
13-Aug-20	178.25	178	178.75	177.25	12.08K	0.42%
12-Aug-20	177.5	177.25	178	177	11.96K	-0.14%
11-Aug-20	177.75	176.75	178.25	176.75	16.07K	0.42%
10-Aug-20	177	177.75	178.25	176.75	14.75K	-0.56%
07-Aug-20	178	179.25	179.5	178	14.39K	-0.70%
06-Aug-20	179.25	178.75	180.5	178.75	12.38K	0.00%
05-Aug-20	179.25	179.75	180.75	179	13.19K	-0.28%
04-Aug-20	179.75	180.25	180.5	179.25	15.04K	-0.28%
03-Aug-20	180.25	181.75	182	180.25	13.20K	-1.37%
31-Jul-20	182.75	183.5	184.5	182.25	21.77K	-0.14%
30-Jul-20	183	180.75	184.5	180.25	28.36K	0.69%
29-Jul-20	181.75	181.25	183.25	181	15.65K	0.55%
28-Jul-20	180.75	182.75	183.25	180.25	18.99K	-1.09%
27-Jul-20	182.75	184.75	184.75	182.5	15.25K	-1.62%
24-Jul-20	185.75	184	186.25	184	18.19K	1.23%
23-Jul-20	183.5	183.75	184.25	183	12.73K	-0.14%
22-Jul-20	183.75	182.75	184	181.5	14.92K	0.41%
21-Jul-20	183	181.75	183.5	181	15.45K	0.69%
20-Jul-20	181.75	184.75	185	180.75	30.75K	-1.62%
17-Jul-20	184.75	186	186.75	184.75	18.03K	-0.54%
16-Jul-20	185.75	187.75	189.25	185.5	27.89K	-0.80%
15-Jul-20	187.25	186	187.5	185	23.76K	0.94%
14-Jul-20	185.5	185.5	186.75	185.25	5.61K	0.41%
13-Jul-20	184.75	186.75	187.5	184.5	16.16K	-1.20%
10-Jul-20	187	187.5	189.75	186.25	28.23K	-0.40%
09-Jul-20	187.75	188.75	189	187.25	26.42K	0.40%
08-Jul-20	187	185	187.25	185	26.07K	1.22%

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07-Jul-20	184.75	182	185	181.75	25.16K	1.23%
06-Jul-20	182.5	182.75	183.25	181.5	12.99K	-0.14%
03-Jul-20	182.75	181	183.5	180.5	11.82K	0.97%
02-Jul-20	181	181	181.5	180.75	10.37K	-0.28%
01-Jul-20	181.5	181.25	182.25	179.5	19.43K	0.55%
30-Jun-20	180.5	178.25	181	178.25	25.44K	0.70%
29-Jun-20	179.25	176	179.75	176	13.56K	1.70%
26-Jun-20	176.25	177.25	177.75	175.75	29.31K	-0.56%
25-Jun-20	177.25	177	178.25	177	11.81K	0.14%
24-Jun-20	177	176.75	178	176.5	13.79K	0.00%
23-Jun-20	177	178.25	179.5	176.5	20.09K	-0.84%
22-Jun-20	178.5	179.5	179.75	178.25	16.22K	-1.11%
19-Jun-20	180.5	180.25	181	179	12.86K	0.28%
18-Jun-20	180	180.75	182	179.75	18.80K	-0.14%
17-Jun-20	180.25	179.5	180.75	178.25	27.04K	0.28%
16-Jun-20	179.75	181.5	182	179.5	21.19K	-0.83%
15-Jun-20	181.25	183	183.25	181	9.90K	-1.23%
12-Jun-20	183.5	182	183.75	182	16.85K	0.55%
11-Jun-20	182.5	184.25	184.5	182.25	18.01K	-1.35%
10-Jun-20	185	184.75	185.75	184.5	9.75K	0.27%
09-Jun-20	184.5	185.75	186	184.25	15.08K	-0.81%
08-Jun-20	186	186.25	187	184.75	12.67K	-0.40%
05-Jun-20	186.75	187.25	188.25	185.75	15.94K	-0.40%
04-Jun-20	187.5	186	188.75	185.25	26.63K	1.49%
03-Jun-20	184.75	184	185.5	183.75	12.87K	0.27%
02-Jun-20	184.25	186.5	187.25	183.75	16.91K	-1.21%
01-Jun-20	186.5	188	188.25	185.25	13.10K	-0.93%
29-May-20	188.25	187.75	189	186.5	12.65K	0.53%
28-May-20	187.25	186.25	187.25	185.75	10.31K	0.40%
27-May-20	186.5	188	188.75	186	10.03K	-0.67%
26-May-20	187.75	188.5	188.5	186.75	17.19K	-0.79%
25-May-20	189.25	188.5	189.5	188	9.40K	0.53%
22-May-20	188.25	188.5	189	187.25	16.12K	-0.92%
21-May-20	190	189	190.25	188.25	25.22K	1.06%
20-May-20	188	184.5	188.25	184.25	21.85K	1.62%
19-May-20	185	184.25	185.75	183.5	10.91K	0.27%
18-May-20	184.5	186.25	187	184.25	15.95K	-1.07%
15-May-20	186.5	185.5	187	185.25	19.69K	0.81%
14-May-20	185	183.5	185.5	183	14.97K	0.54%
13-May-20	184	186	186.25	184	19.55K	-1.34%
12-May-20	186.5	187.25	187.5	185.75	12.47K	-6.05%
11-May-20	198.5	195	204	190	0.19K	-1.00%
08-May-20	200.5	207	208.5	199	1.66K	-2.79%
07-May-20	206.25	204.25	209.5	204.25	2.73K	1.35%
06-May-20	203.5	200	204.25	200	3.16K	1.88%
05-May-20	199.75	196.25	200	196.25	2.61K	1.65%
04-May-20	196.5	195	197.25	195	10.13K	0.38%

## ATTACHMENT 4

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Bank of Canada Daily Exchange Rates

Attachment 4  
Bank of Canada Exchange Rates

Source: <https://www.bankofcanada.ca/terms/>

NAME  
Daily exchange rates

DESCRIPTION  
Daily average exchange rates - published once each business day by 16:30 ET. All Bank of Canada exchange rates are indicative rates only.

OBSERVATIONS

date	FXEURCAD		
2020-03-02	1.489	March/April 2020 Average	1.53
2020-03-03	1.4912	April 2022 Average	1.36
2020-03-04	1.4902		
2020-03-05	1.5021		
2020-03-06	1.5187		
2020-03-09	1.5559		
2020-03-10	1.5571		
2020-03-11	1.5531		
2020-03-12	1.544		
2020-03-13	1.543		
2020-03-16	1.5574		
2020-03-17	1.5574		
2020-03-18	1.5772		
2020-03-19	1.5555		
2020-03-20	1.5327		
2020-03-23	1.5584		
2020-03-24	1.5634		
2020-03-25	1.5495		
2020-03-26	1.5487		
2020-03-27	1.5525		
2020-03-30	1.5613		
2020-03-31	1.5584		
2020-04-01	1.5538		
2020-04-02	1.5396		
2020-04-03	1.5267		
2020-04-06	1.5251		
2020-04-07	1.5245		
2020-04-08	1.5254		
2020-04-09	1.5277		
2020-04-13	1.5209		
2020-04-14	1.5253		
2020-04-15	1.536		
2020-04-16	1.5331		
2020-04-17	1.5262		
2020-04-20	1.5308		
2020-04-21	1.5412		
2020-04-22	1.5335		
2020-04-23	1.5185		
2020-04-24	1.5215		
2020-04-27	1.5227		
2020-04-28	1.5159		
2020-04-29	1.5117		
2020-04-30	1.5186		
2020-05-01	1.5453		
2020-05-04	1.5371		

2020-05-05	1.5225
2020-05-06	1.5264
2020-05-07	1.5141
2020-05-08	1.5109
2020-05-11	1.5156
2020-05-12	1.5221
2020-05-13	1.5255
2020-05-14	1.5206
2020-05-15	1.5248
2020-05-19	1.5196
2020-05-20	1.5254
2020-05-21	1.5281
2020-05-22	1.5272
2020-05-25	1.524
2020-05-26	1.5154
2020-05-27	1.5144
2020-05-28	1.5224
2020-05-29	1.5314
2020-06-01	1.5162
2020-06-02	1.5101
2020-06-03	1.5161
2020-06-04	1.5279
2020-06-05	1.5174
2020-06-08	1.5121
2020-06-09	1.5216
2020-06-10	1.5225
2020-06-11	1.5384
2020-06-12	1.5309
2020-06-15	1.5348
2020-06-16	1.5279
2020-06-17	1.5223
2020-06-18	1.5238
2020-06-19	1.5221
2020-06-22	1.5236
2020-06-23	1.5303
2020-06-24	1.5316
2020-06-25	1.5308
2020-06-26	1.5345
2020-06-29	1.5389
2020-06-30	1.5305
2020-07-02	1.5279
2020-07-03	1.5247
2020-07-06	1.5326
2020-07-07	1.5337
2020-07-08	1.5332
2020-07-09	1.5328
2020-07-10	1.5367
2020-07-13	1.5407
2020-07-14	1.5513
2020-07-15	1.5453
2020-07-16	1.545
2020-07-17	1.552
2020-07-20	1.5488
2020-07-21	1.5452
2020-07-22	1.554
2020-07-23	1.5526
2020-07-24	1.5608
2020-07-27	1.5723
2020-07-28	1.5682



2020-07-29	1.5721
2020-07-30	1.5851
2020-07-31	1.5831
2020-08-04	1.5732
2020-08-05	1.5751
2020-08-06	1.5764
2020-08-07	1.5765
2020-08-10	1.5701
2020-08-11	1.564
2020-08-12	1.5626
2020-08-13	1.5628
2020-08-14	1.5678
2020-08-17	1.5671
2020-08-18	1.5718
2020-08-19	1.5668
2020-08-20	1.5633
2020-08-21	1.5552
2020-08-24	1.5599
2020-08-25	1.5598
2020-08-26	1.5544
2020-08-27	1.5512
2020-08-28	1.5576
2020-08-31	1.5573
2020-09-01	1.5592
2020-09-02	1.547
2020-09-03	1.5537
2020-09-04	1.5478
2020-09-08	1.5552
2020-09-09	1.5552
2020-09-10	1.5617
2020-09-11	1.5612
2020-09-14	1.5641
2020-09-15	1.5622
2020-09-16	1.5583
2020-09-17	1.5603
2020-09-18	1.5628
2020-09-21	1.5624
2020-09-22	1.5599
2020-09-23	1.5599
2020-09-24	1.5591
2020-09-25	1.5575
2020-09-28	1.5602
2020-09-29	1.5705
2020-09-30	1.5631
2020-10-01	1.5612
2020-10-02	1.5593
2020-10-05	1.5631
2020-10-06	1.5637
2020-10-07	1.5623
2020-10-08	1.5537
2020-10-09	1.5524
2020-10-13	1.5432
2020-10-14	1.5447
2020-10-15	1.5479
2020-10-16	1.5465
2020-10-19	1.551
2020-10-20	1.5536
2020-10-21	1.5571
2020-10-22	1.5538

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2020-10-23	1.5568
2020-10-26	1.5598
2020-10-27	1.5568
2020-10-28	1.5619
2020-10-29	1.5586
2020-10-30	1.5533
2020-11-02	1.5421
2020-11-03	1.5396
2020-11-04	1.5391
2020-11-05	1.5428
2020-11-06	1.549
2020-11-09	1.5357
2020-11-10	1.538
2020-11-12	1.5491
2020-11-13	1.5548
2020-11-16	1.5489
2020-11-17	1.5541
2020-11-18	1.55
2020-11-19	1.5499
2020-11-20	1.5503
2020-11-23	1.5501
2020-11-24	1.5473
2020-11-25	1.5487
2020-11-26	1.5494
2020-11-27	1.5516
2020-11-30	1.5509
2020-12-01	1.5578
2020-12-02	1.5635
2020-12-03	1.5649
2020-12-04	1.5548
2020-12-07	1.553
2020-12-08	1.5513
2020-12-09	1.5472
2020-12-10	1.5442
2020-12-11	1.5472
2020-12-14	1.5501
2020-12-15	1.546
2020-12-16	1.5532
2020-12-17	1.5589
2020-12-18	1.5638
2020-12-21	1.5707
2020-12-22	1.573
2020-12-23	1.5669
2020-12-24	1.5644
2020-12-29	1.5688
2020-12-30	1.5691
2020-12-31	1.5608
2021-01-04	1.5641
2021-01-05	1.5611
2021-01-06	1.5614
2021-01-07	1.5589
2021-01-08	1.5545
2021-01-11	1.5549
2021-01-12	1.5514
2021-01-13	1.5459
2021-01-14	1.5365
2021-01-15	1.5393
2021-01-18	1.5408
2021-01-19	1.5443

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2021-01-20	1.5319
2021-01-21	1.5347
2021-01-22	1.5475
2021-01-25	1.5463
2021-01-26	1.5446
2021-01-27	1.546
2021-01-28	1.5535
2021-01-29	1.5513
2021-02-01	1.5487
2021-02-02	1.5416
2021-02-03	1.5368
2021-02-04	1.5358
2021-02-05	1.537
2021-02-08	1.5363
2021-02-09	1.5395
2021-02-10	1.5392
2021-02-11	1.5392
2021-02-12	1.5396
2021-02-16	1.5363
2021-02-17	1.5305
2021-02-18	1.5338
2021-02-19	1.5293
2021-02-22	1.533
2021-02-23	1.5312
2021-02-24	1.5234
2021-02-25	1.5299
2021-02-26	1.5348
2021-03-01	1.5253
2021-03-02	1.5234
2021-03-03	1.524
2021-03-04	1.5179
2021-03-05	1.5098
2021-03-08	1.5017
2021-03-09	1.5028
2021-03-10	1.5049
2021-03-11	1.5033
2021-03-12	1.4919
2021-03-15	1.4883
2021-03-16	1.4831
2021-03-17	1.4858
2021-03-18	1.4853
2021-03-19	1.488
2021-03-22	1.493
2021-03-23	1.4908
2021-03-24	1.4856
2021-03-25	1.4858
2021-03-26	1.4831
2021-03-29	1.483
2021-03-30	1.4808
2021-03-31	1.4759
2021-04-01	1.4781
2021-04-05	1.4783
2021-04-06	1.4879
2021-04-07	1.4994
2021-04-08	1.4977
2021-04-09	1.492
2021-04-12	1.4952
2021-04-13	1.4984
2021-04-14	1.5004

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2021-04-15	1.4998
2021-04-16	1.4979
2021-04-19	1.5063
2021-04-20	1.5133
2021-04-21	1.5056
2021-04-22	1.5023
2021-04-23	1.508
2021-04-26	1.4997
2021-04-27	1.4985
2021-04-28	1.4941
2021-04-29	1.4897
2021-04-30	1.4798
2021-05-03	1.4808
2021-05-04	1.4803
2021-05-05	1.4726
2021-05-06	1.4708
2021-05-07	1.4761
2021-05-10	1.4707
2021-05-11	1.471
2021-05-12	1.462
2021-05-13	1.4677
2021-05-14	1.4697
2021-05-17	1.468
2021-05-18	1.4724
2021-05-19	1.477
2021-05-20	1.4744
2021-05-21	1.4694
2021-05-25	1.4767
2021-05-26	1.4784
2021-05-27	1.4723
2021-05-28	1.4723
2021-05-31	1.4749
2021-06-01	1.4729
2021-06-02	1.4709
2021-06-03	1.4688
2021-06-04	1.47
2021-06-07	1.4713
2021-06-08	1.4734
2021-06-09	1.4741
2021-06-10	1.4723
2021-06-11	1.4709
2021-06-14	1.4718
2021-06-15	1.4774
2021-06-16	1.4747
2021-06-17	1.4711
2021-06-18	1.4746
2021-06-21	1.4741
2021-06-22	1.4726
2021-06-23	1.4675
2021-06-24	1.4699
2021-06-25	1.4685
2021-06-28	1.4709
2021-06-29	1.4733
2021-06-30	1.4699
2021-07-02	1.4638
2021-07-05	1.4646
2021-07-06	1.4718
2021-07-07	1.4727
2021-07-08	1.4855

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2021-07-09	1.4806
2021-07-12	1.4789
2021-07-13	1.4773
2021-07-14	1.4778
2021-07-15	1.4847
2021-07-16	1.4869
2021-07-19	1.5054
2021-07-20	1.4988
2021-07-21	1.4842
2021-07-22	1.4804
2021-07-23	1.4799
2021-07-26	1.4813
2021-07-27	1.4872
2021-07-28	1.4839
2021-07-29	1.4797
2021-07-30	1.4788
2021-08-03	1.4889
2021-08-04	1.4867
2021-08-05	1.4796
2021-08-06	1.4768
2021-08-09	1.4763
2021-08-10	1.4695
2021-08-11	1.4681
2021-08-12	1.4692
2021-08-13	1.4752
2021-08-16	1.4803
2021-08-17	1.4799
2021-08-18	1.4789
2021-08-19	1.495
2021-08-20	1.5025
2021-08-23	1.4886
2021-08-24	1.4813
2021-08-25	1.4832
2021-08-26	1.4873
2021-08-27	1.489
2021-08-30	1.4867
2021-08-31	1.4906
2021-09-01	1.4932
2021-09-02	1.4914
2021-09-03	1.488
2021-09-07	1.4954
2021-09-08	1.4984
2021-09-09	1.4965
2021-09-10	1.4934
2021-09-13	1.4942
2021-09-14	1.4966
2021-09-15	1.4945
2021-09-16	1.4904
2021-09-17	1.4937
2021-09-20	1.5039
2021-09-21	1.5013
2021-09-22	1.4961
2021-09-23	1.4854
2021-09-24	1.4854
2021-09-27	1.4788
2021-09-28	1.4811
2021-09-29	1.4801
2021-10-01	1.4676
2021-10-04	1.4627

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2021-10-05	1.4587
2021-10-06	1.4563
2021-10-07	1.4515
2021-10-08	1.4441
2021-10-12	1.4375
2021-10-13	1.4403
2021-10-14	1.4343
2021-10-15	1.4357
2021-10-18	1.4367
2021-10-19	1.4386
2021-10-20	1.4359
2021-10-21	1.4372
2021-10-22	1.4379
2021-10-25	1.4371
2021-10-26	1.4357
2021-10-27	1.4345
2021-10-28	1.4408
2021-10-29	1.4338
2021-11-01	1.4331
2021-11-02	1.4373
2021-11-03	1.4383
2021-11-04	1.438
2021-11-05	1.4376
2021-11-08	1.4422
2021-11-09	1.4426
2021-11-10	1.4343
2021-11-12	1.4381
2021-11-15	1.4282
2021-11-16	1.4228
2021-11-17	1.425
2021-11-18	1.4328
2021-11-19	1.4282
2021-11-22	1.4265
2021-11-23	1.43
2021-11-24	1.4196
2021-11-25	1.4188
2021-11-26	1.4437
2021-11-29	1.4387
2021-11-30	1.4489
2021-12-01	1.4472
2021-12-02	1.4502
2021-12-03	1.4481
2021-12-06	1.4421
2021-12-07	1.4242
2021-12-08	1.4326
2021-12-09	1.4345
2021-12-10	1.4374
2021-12-13	1.4441
2021-12-14	1.4486
2021-12-15	1.4519
2021-12-16	1.4473
2021-12-17	1.449
2021-12-20	1.4608
2021-12-21	1.4577
2021-12-22	1.4567
2021-12-23	1.4509
2021-12-24	1.4502
2021-12-29	1.4517
2021-12-30	1.4462

**NON-CONFIDENTIAL**

2021-12-31	1.4391
2022-01-04	1.4347
2022-01-05	1.4407
2022-01-06	1.44
2022-01-07	1.4367
2022-01-10	1.4351
2022-01-11	1.4309
2022-01-12	1.4295
2022-01-13	1.4311
2022-01-14	1.4329
2022-01-17	1.4281
2022-01-18	1.4211
2022-01-19	1.4175
2022-01-20	1.4136
2022-01-21	1.4233
2022-01-24	1.432
2022-01-25	1.4252
2022-01-26	1.4218
2022-01-27	1.417
2022-01-28	1.4243
2022-01-31	1.426
2022-02-01	1.4287
2022-02-02	1.4336
2022-02-03	1.4468
2022-02-04	1.4606
2022-02-07	1.4507
2022-02-08	1.4508
2022-02-09	1.4496
2022-02-10	1.4519
2022-02-11	1.4459
2022-02-14	1.4402
2022-02-15	1.4468
2022-02-16	1.443
2022-02-17	1.4427
2022-02-18	1.4434
2022-02-22	1.4448
2022-02-23	1.4397
2022-02-24	1.4328
2022-02-25	1.4335
2022-02-28	1.4238
2022-03-01	1.4143
2022-03-02	1.4066
2022-03-03	1.4012
2022-03-04	1.3923
2022-03-07	1.3897
2022-03-08	1.4031
2022-03-09	1.4173
2022-03-10	1.4067
2022-03-11	1.392
2022-03-14	1.401
2022-03-15	1.4039
2022-03-16	1.3994
2022-03-17	1.4031
2022-03-18	1.393
2022-03-21	1.3894
2022-03-22	1.3879
2022-03-23	1.3822
2022-03-24	1.379
2022-03-25	1.3751

2022-03-28	1.3767
2022-03-29	1.3881
2022-03-30	1.3906
2022-03-31	1.3853
2022-04-01	1.3816
2022-04-04	1.3718
2022-04-05	1.361
2022-04-06	1.3648
2022-04-07	1.3713
2022-04-08	1.368
2022-04-11	1.3741
2022-04-12	1.3695
2022-04-13	1.369
2022-04-14	1.3635
2022-04-18	1.3614
2022-04-19	1.3625
2022-04-20	1.356
2022-04-21	1.3604
2022-04-22	1.3714
2022-04-25	1.3675
2022-04-26	1.364
2022-04-27	1.354
2022-04-28	1.3477
2022-04-29	1.3492