

# Out Of Stock Analysis

12/25/2020

12/31/2023

Branch

All

ItemCode

All

958

Out Of Stock Days

2M

Total Stock IN

2M

Total Stock IN

104

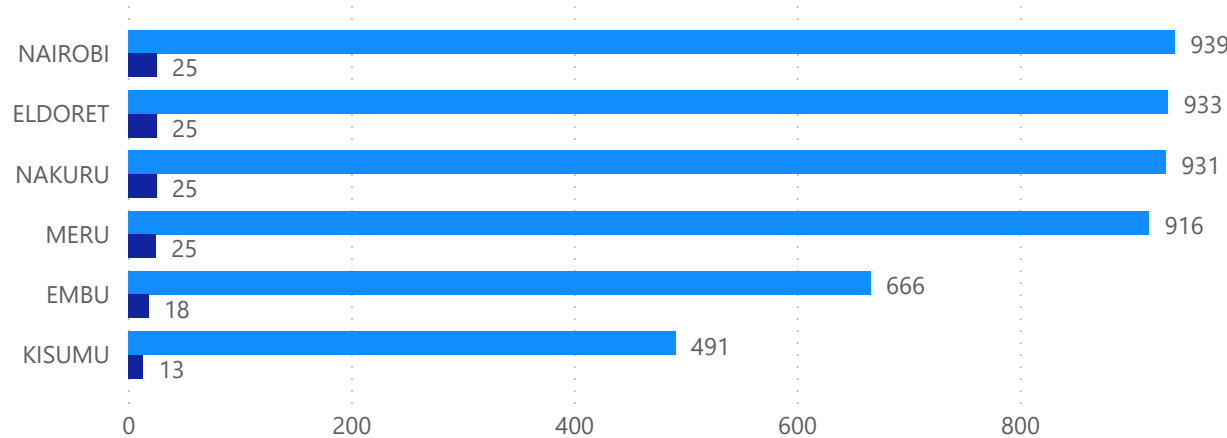
Average Sales OUT

26

Monthly Avg OOS

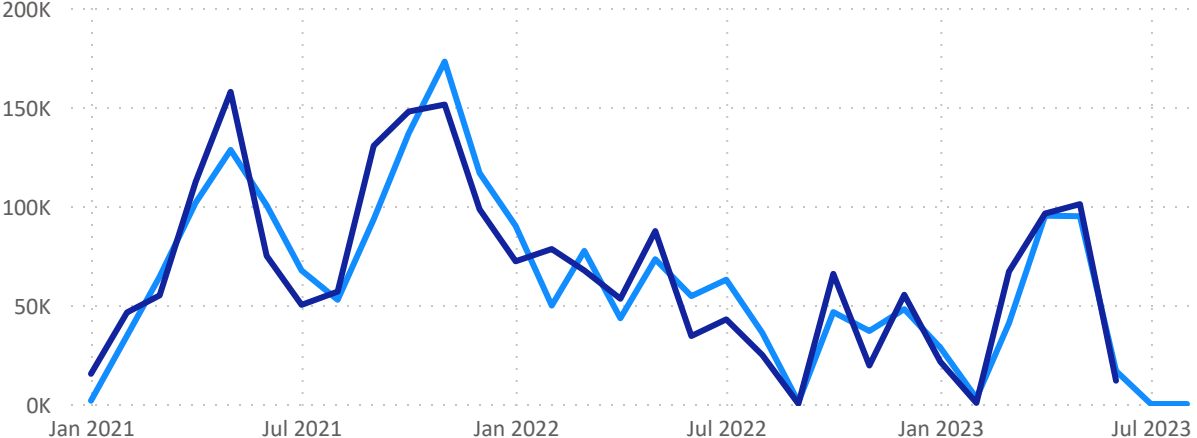
## Out Of Stock Days and Monthly Avg OOS by Branch

● Out Of Stock Days ● Monthly Avg OOS

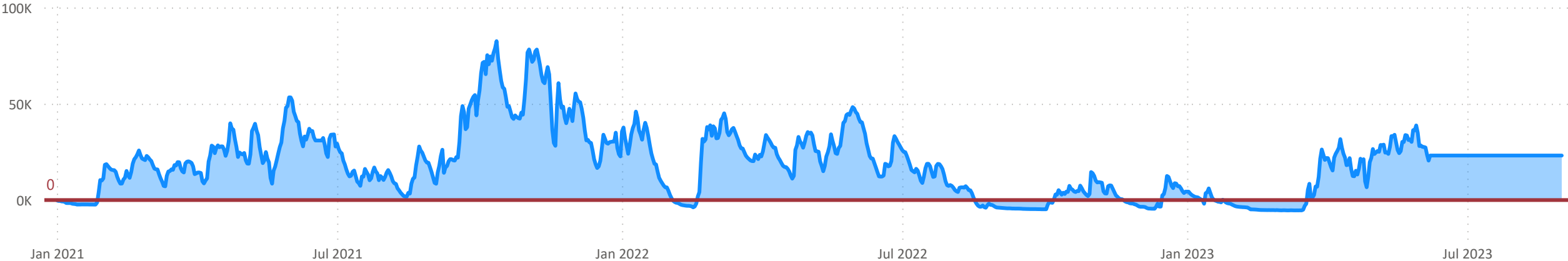


## Sales Out and Stock IN Trend

● Total Sales Out ● Total Stock IN



## Inventory Level Trend



# Out Of Stock Details Report

1/1/2023

5/24/2023

ItemCode

All

Branch

NAIROBI

Date	ItemCode	ItemName	Branch	Total Stock IN	Cumulative Stock In	Total Sales Out	Cumulative Sales Out	Inventory Level
1 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	1	27,918	-864
2 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	11	27,929	-875
3 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	5	27,934	-880
4 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	76	28,010	-956
5 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	9	28,019	-965
6 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	1	28,020	-966
7 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	13	28,033	-979
8 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	101	28,134	-1,080
9 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	8	28,142	-1,088
10 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	9	28,151	-1,097
11 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	3	28,154	-1,100
12 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,054	52	28,206	-1,152
13 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI	300	27,354	3	28,209	-855
14 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	9	28,218	-864
15 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	1	28,219	-865
16 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	24	28,243	-889
17 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	51	28,294	-940
18 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	16	28,310	-956
19 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	11	28,321	-967
20 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	9	28,330	-976
21 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	36	28,366	-1,012
22 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	2	28,368	-1,014
23 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,354	53	28,421	-1,067
24 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI	200	27,554	11	28,432	-878
25 January, 2023	AJA001	AJAB HOME BAKING 500GM*24PCS	NAIROBI		27,554	9	28,441	-887
Total				139,473	123,944,458	121,760	123,770,136	174,377

122K

Total Sales Out

139K

Total Stock IN

72

Average Sales OUT

144

Out Of Stock Days

Last N Month

3

Service Level

0.85

Alpha

0.80

Demand Factor

0.05

6/1/2023

6/30/2023

3207

Today's Sale

3004

Yesterday's Sale

7%

Growth

28K

Current Available Stock

ItemCode	Branch	Today's Sale	Total Sales Out	Simple Forecasted Demand	Forecasted Demand (KG)	Available Stock	Inventory Shortage	Inventory Shortage (KG)	Sales Contribution	Total Stock IN	Avg D Sales C
AJA003	NAIROBI	1176	7,324	22,347	536,333	10,517	4,506	108,149	43.87%	3,247	
AJA002	NAIROBI	535	2,849	6,839	164,130	5,490	-1,500	-36,006	17.07%	1,199	
AJA003	KISUMU	443	844	4,524	108,586	709	2,971	71,314	5.06%	1,150	
AJA002	MERU	0	801	2,610	62,646	1	1,808	43,398	4.80%	799	
AJA002	KISUMU	94	760	926	22,226	21	145	3,482	4.55%		
AJA003	MERU	180	733	2,088	50,117	1,020	335	8,045	4.39%	1,537	
AJA003	ELDORET	206	699	4,224	101,376	1,082	2,443	58,632	4.19%	1,188	
AJA003	EMBU	64	389	1,715	41,150	478	848	20,342	2.33%		
AJA008	NAIROBI	2	338	2,747	65,922	0	2,409	57,810	2.02%	299	
LOT003	ELDORET	56	303	1,282	30,765	305	674	16,173	1.82%		
AJA002	NAKURU	42	256	1,447	34,730	8	1,183	28,394	1.53%		
AJA003	NAKURU	178	187	3,516	84,386	976	2,353	56,474	1.12%	1,149	
LOT003	MERU	2	164	595	14,285	42	389	9,341	0.98%		
LOT003	NAKURU	67	162	1,071	25,712	49	860	20,648	0.97%		
AJA002	EMBU	9	149	746	17,914	1,174	-577	-13,838	0.89%		
AJA014	NAIROBI	37	105	293	7,042	679	-491	-11,774	0.63%		
AJA001	ELDORET	1	102	435	5,216	13	320	3,836	0.61%		
AJA002	ELDORET	6	98	1,327	31,856	130	1,099	26,384	0.59%		
UMI003	NAIROBI	14	65	1,038	24,915	660	313	7,515	0.39%		
Total		3207	16,694	76,793	35,171,194	27,880	32,219	14,756,302	100.00%	11,778	

Last N Month

3

Service Level

0.85

Alpha

0.80

Demand Factor

0.05

6/1/2023

7/31/2023

3207

Today's Sale

3004

Yesterday's Sale

7%

Growth

28K

Current Available Stock

ItemCode	Branch	Current Inventory Level	Today's Sale	Total Sales Out	Sales Contribution	Total Stock IN	Available Stock	Avg Daily Sales Out	Same Period Last Year Sales	Last N Months Sale	Monthly Avg	Monthly STDV	Monthly Safety Sto
AJA001	ELDORET	-103	1	102	0.61%		13	2	565	1,554	51	51.00	
AJA001	EMBU	550	0	19	0.11%		0	0	24	188	10	9.50	
AJA001	KISUMU	-3	0	0	0.00%		0	0	0	0	0	0.00	
AJA001	MERU	-267	1	2	0.01%		1	0	113	300	1	1.00	
AJA001	NAIROBI	-1154	0	0	0.00%		30	0	2,364	602	0	0.00	
AJA001	NAKURU	-402	0	2	0.01%		8	0	733	395	1	1.00	
AJA002	ELDORET	-191	6	98	0.59%		130	2	1,511	4,484	49	49.00	
AJA002	EMBU	1176	9	149	0.89%		1,174	2	1,208	2,121	75	74.50	
AJA002	KISUMU	-6	94	760	4.55%		21	12	1,940	2,306	380	380.00	1
AJA002	MERU	-107	0	801	4.80%	799	1	13	1,592	8,462	401	400.50	1
AJA002	NAIROBI	5223	535	2,849	17.07%	1,199	5,490	47	8,338	20,537	1,425	1,424.50	5
AJA002	NAKURU	993	42	256	1.53%		8	4	2,983	4,334	128	128.00	
AJA003	ELDORET	751	206	699	4.19%	1,188	1,082	11	4,979	13,887	350	349.50	1
AJA003	EMBU	520	64	389	2.33%		478	6	3,177	4,923	195	194.50	
AJA003	KISUMU	662	443	844	5.06%	1,150	709	14	7,167	13,928	422	422.00	1
AJA003	MERU	967	180	733	4.39%	1,537	1,020	12	3,557	5,894	367	366.50	1
AJA003	NAIROBI	8354	1176	7,324	43.87%	3,247	10,517	120	26,429	69,654	3,662	3,662.00	1,3
AJA003	NAKURU	2190	178	187	1.12%	1,149	976	3	8,108	10,767	94	93.50	
Total		23118	3207	16,694	100.00%	11,778	27,880	3	117,265	232,825	8,347	8,347.00	3,1

Rolling Mean Month

3

Alpha

0.75

0.60

1/1/2021

12/31/2023

Year	Month	Total Sales Out	Forecast	Mean Absolute Percentage Error	Variance	Previous Month Sales	Previous Month Sales 2	Monthly Moving Avg	Exponential Smoothing	Previous ES	MA
2021	January	1,669		100%	1,669.00						
2021	February	34,534		100%	34,534.00	1669		1,669.00	417.25		
2021	March	64,327		100%	64,327.00	34534	1669	18,101.50	5,777.12	417.25	
2021	April	101,706		100%	101,706.00	64327	34534	33,510.00	34,278.00	5,777.12	
2021	May	128,337		100%	128,337.00	101706	64327	66,855.67	64,959.17	34,278.00	
2021	June	100,327		100%	100,327.00	128337	101706	98,123.33	100,810.33	64,959.17	
2021	July	67,431		100%	67,431.00	100327	128337	110,123.33	123,783.58	100,810.33	
2021	August	52,609		100%	52,609.00	67431	100327	98,698.33	99,919.83	123,783.58	
2021	September	93,289		100%	93,289.00	52609	67431	73,455.67	68,937.17	99,919.83	
2021	October	136,635		100%	136,635.00	93289	52609	71,109.67	57,234.17	68,937.17	
2021	November	172,930		100%	172,930.00	136635	93289	94,177.67	93,511.17	57,234.17	
2021	December	116,647		100%	116,647.00	172930	136635	134,284.67	136,047.42	93,511.17	
2022	January	89,930	8,049.47	91%	81,880.53	116647	172930	142,070.67	165,215.17	136,047.42	
2022	February	49,712	48,197.46	3%	1,514.54	89930	116647	126,502.33	119,110.83	165,215.17	
2022	March	77,328	44,074.05	43%	33,253.95	49712	89930	85,429.67	88,804.92	119,110.83	
2022	April	43,311	37,560.62	13%	5,750.38	77328	49712	72,323.33	55,364.83	88,804.92	
2022	May	73,131	68,019.51	7%	5,111.49	43311	77328	56,783.67	72,191.92	55,364.83	
2022	June	54,493	59,871.60	10%	5,378.60	73131	43311	64,590.00	48,630.75	72,191.92	
2022	July	62,772	49,176.62	22%	13,595.38	54493	73131	56,978.33	69,092.83	48,630.75	
2022	August	35,920	33,164.09	8%	2,755.91	62772	54493	63,465.33	56,736.08	69,092.83	
2022	September	1,026	58,312.28	5583%	57,286.28	35920	62772	51,061.67	59,844.42	56,736.08	
2022	October	46,418	25,867.32	44%	20,550.68	1026	35920	33,239.33	35,249.83	59,844.42	
2022	November	36,875	22,489.11	39%	14,385.89	46418	1026	27,788.00	7,716.50	35,249.83	
2022	December	47,898	33,484.17	30%	14,413.83	36875	46418	28,106.33	41,840.08	7,716.50	
Total		1,968,211		Infinity	1,968,211.00						