



BOLETÍN DIARIO

MERCADO DE VALORES

AÑO LXXI - 14.864 - 04/09/08

OPERACIONES REGISTRADAS EN ROSARIO

Títulos Públicos

VD FF MAINERO 2 \$ CG

Cdo. Inmediato

12:58 412.617,018 99,668% 411.247,130

Resumen cauciones bursátiles - Operado en \$

Plazo (días)	Fecha vencimiento	Tasa promedio	Cantidad operaciones	Monto contado	Monto futuro
7	11/09/08	9,25%	50	1.923.914,59	1.927.326,37
28	02/10/08	11,50%	2	171.999,99	173.517,36
			52	2.095.914,58	2.100.843,73

Resumen estadístico Mercado de Rosario

	Valor nominal	Valor efvo. (\$)
Títulos públicos	412.617,0178	411.247,13
Títulos privados		
Cauciones	843.832,5021	2.100.843,73
Totales		2.512.090,86
Acciones	En alza	En baja
		1
		Sin cambio

Resumen estadístico Mercado de Buenos Aires

	Volumen	Valor efvo. (\$)
Títulos privados	5.769.741	39.889.438,00
Cupón acciones	6.060	4.126,00
Opciones		3.834.977,00
Títulos públicos	7.872.967	99.190.814,00
Cauciones		58.735.249,00
Títulos públicos OTC		90.461.442,00
Totales		142.919.355,00
Acciones	En alza	En baja
	11	75
		Sin cambio
		16

Negociación de Cheques de Pago Diferido

Totales Operados		04/09/2008						
Vencimiento	Plazo	Tasa Mínima	Tasa Máxima	Tasa Promedio	Monto Nominal	Monto Liquidado	Cant. Cheques	
30/09/2008	26	16,00	16,00	16,00	12.498,40	12.346,85	4	
07/10/2008	33	17,00	17,00	17,00	1.537,50	1.512,15	1	
10/10/2008	36	16,00	17,00	16,50	16.537,50	16.250,90	2	
26/10/2008	52	17,00	17,00	17,00	3.244,00	3.162,97	2	
11/11/2008	68	15,00	15,00	15,00	44.810,14	43.557,13	1	
26/11/2008	83	18,00	18,00	18,00	3.244,36	3.113,83	2	
					81.871,90	79.943,83	12	

Cheques Autorizados para Cotizar

Ingresados el 04/09/2008

Sección III: de pago diferido directos

ID Cheque	Nro Cheque	Banco	Cod.	Sucursal	Plaza	Emisión	Vencimiento	Acreditación	Monto
3527	04284481	GALICIA	007	999	1038	01/09/2008	12/11/2008	48hs	50.000,00
3528	04284478	GALICIA	007	999	1038	01/09/2008	18/11/2008	48hs	50.000,00
3529	04284480	GALICIA	007	999	1038	01/09/2008	19/11/2008	48hs	50.000,00
3530	04284476	GALICIA	007	999	1038	01/09/2008	11/11/2008	48hs	44.810,14
3531	06100067	RIO	072	061	2705	31/08/2008	01/10/2008	48hs	4.100,00
3532	06100068	RIO	072	061	2705	31/08/2008	01/11/2008	48hs	4.100,00
3533	06100069	RIO	072	061	2705	31/08/2008	01/12/2008	48hs	4.100,00
3534	06631409	FORMOSA	315	001	3610	03/08/2008	10/10/2008	48hs	15.000,00
3535	58411149	SUPERVIL.	027	062	1842	26/08/2008	11/10/2008	48hs	1.956,00

Indices accionarios

	Merval	M.AR	Merval 25	Burcap	Bolsa-G
04/09/08	1.694,60	1.142,02	1.693,17	6.203,83	95.034,91
Anterior	1.758,13	1.180,88	1.757,42	6.435,32	98.242,00
Var.Rel.	-3,61%	-3,29%	-3,65%	-3,59%	-3,26%



Precios de cierre

4-9-08

Acciones Líderes

Especie	Vto	Hora	Ultimo	Var %	C Ant	Apertura	Maximo	Minimo	Vol Nom	Monto Neg	NºOp.
ACIN	72hs	14:52	0,000	0,000	5,750	0,000	0,000	0,000	228	1.311	1
ALPA	72hs	17:00	3,650	-1,351	3,700	3,700	3,700	3,650	6.970	25.482	9
ALUA	72hs	16:48	4,400	-3,297	4,550	4,550	4,550	4,400	50.322	222.499	51
APBR	72hs	16:59	70,300	-4,871	73,900	73,000	73,000	69,000	29.885	2.104.850	220
BHIP	72hs	15:49	1,040	-2,804	1,070	1,050	1,050	1,040	27.192	28.335	11
BMA	Cdo.	15:41	6,020	-5,643	6,380	5,990	6,020	5,970	6.564	39.300	4
BMA	72hs	16:59	5,970	-3,084	6,160	6,030	6,040	5,960	682.335	4.080.240	137
BPAT	72hs	17:00	1,660	-3,488	1,720	1,700	1,700	1,660	361.630	604.598	80
CELU	72hs	16:59	3,240	-3,284	3,350	3,300	3,300	3,220	23.392	76.340	18
COME	72hs	16:59	0,409	-4,884	0,430	0,429	0,429	0,409	233.800	97.373	28
CRES	72hs	16:11	3,380	-3,429	3,500	3,450	3,450	3,380	7.467	25.502	9
EDN	72hs	16:56	1,520	-1,299	1,540	1,520	1,530	1,500	111.837	169.274	38
ERAR	Cdo.	13:58	24,800	-2,362	25,400	24,800	24,800	24,800	940	23.312	1
ERAR	72hs	17:00	24,500	-3,922	25,500	25,500	25,500	24,500	28.990	715.901	66
FRAN	72hs	16:55	5,670	-3,898	5,900	5,880	5,880	5,650	84.726	484.282	78
GCLA	Cdo.	15:28	9,550	3,243	9,250	9,600	9,600	9,550	1.996	19.131	4
GCLA	72hs	16:43	9,500	-2,564	9,750	9,650	9,650	9,400	57.967	553.264	33
GGAL	Cdo.	15:59	1,460	-3,311	1,510	1,450	1,460	1,450	61.000	88.700	5
GGAL	72hs	16:59	1,450	-4,605	1,520	1,500	1,500	1,430	1.355.904	1.974.702	186
INDU	72hs	16:59	3,900	-1,266	3,950	3,900	3,900	3,750	18.587	71.550	25
IRSA	72hs	15:50	2,580	-3,731	2,680	2,600	2,600	2,570	9.213	23.793	9
LEDE	72hs	16:59	4,000	-4,077	4,170	4,050	4,100	3,970	26.526	106.540	33
MIRG	Cdo.	14:55	165,000	-2,941	170,000	165,000	165,000	165,000	937	154.587	6
MIRG	72hs	16:59	167,000	-2,024	170,450	169,000	169,000	165,000	4.329	719.899	82
MOLI	72hs	16:59	7,520	-2,591	7,720	7,570	7,700	7,450	24.402	182.962	39
PAMP	Cdo.	15:52	1,430	-2,055	1,460	1,420	1,430	1,420	57.270	81.766	10
PAMP	72hs	16:59	1,440	-2,703	1,480	1,480	1,480	1,420	900.209	1.292.060	142
PATY	72hs	16:58	20,700	-2,358	21,200	20,500	20,700	20,250	2.209	45.193	17
PBE	Cdo.	13:33	3,300	-3,790	3,430	3,320	3,320	3,300	10.000	33.051	5
PBE	72hs	16:59	3,270	-3,824	3,400	3,360	3,360	3,260	208.729	689.366	77
STHE	72hs	16:57	10,200	-5,116	10,750	10,450	10,450	10,150	50.928	520.189	31
TECO2	Cdo.	14:19	8,100	-2,994	8,350	8,100	8,100	8,100	500	4.050	1
TECO2	72hs	16:58	8,000	-4,306	8,360	8,300	8,300	8,000	171.704	1.385.252	93
TGSU2	72hs	16:45	2,130	-2,294	2,180	2,200	2,200	2,130	190.246	408.242	40
TRAN	72hs	16:59	1,010	-3,810	1,050	1,020	1,020	0,980	222.343	223.196	45
TS	Cdo.	15:12	72,800	-4,462	76,200	72,800	72,800	72,800	9.020	656.640	2
TS	72hs	17:00	72,500	-4,731	76,100	76,000	76,000	72,150	239.671	17.541.281	553
YPDF	72hs	13:53	146,500	-0,678	147,500	148,000	148,000	146,500	266	39.119	3

Panel General

Especie	Vto	Hora	Ultimo	Var %	C Ant	Apertura	Maximo	Minimo	Vol Nom	Monto Neg	NºOp.
AGRO	72hs	16:27	3,400	-4,225	3,550	3,400	3,400	3,400	1.839	6.252	3
BOLT	72hs	15:08	2,800	-3,448	2,900	2,800	2,800	2,800	1.100	3.080	3
CADO	72hs	16:42	8,000	1,266	7,900	8,010	8,010	8,000	8.901	71.242	9
CAPX	72hs	16:59	6,000	0,000	6,000	5,900	6,000	5,900	4.740	27.607	22
CECO2	72hs	16:28	0,000	0,000	3,650	0,000	0,000	0,000	200	680	1
CGPA2	72hs	14:17	0,000	0,000	1,420	0,000	0,000	0,000	500	700	1
COLO	72hs	16:42	6,500	-4,412	6,800	6,750	6,750	6,500	1.044	6.865	5
CREW2	72hs	15:25	0,681	-2,714	0,700	0,681	0,681	0,681	6.060	4.126	2
CTIO	72hs	14:10	0,000	0,000	2,700	0,000	0,000	0,000	210	546	1
DELA	72hs	15:08	0,760	-5,000	0,800	0,790	0,790	0,760	7.542	5.845	3
DGCU2	72hs	14:18	2,550	0,000	2,550	2,550	2,550	2,550	3.000	7.650	2
ESTR	72hs	16:38	1,550	-7,186	1,670	1,550	1,550	1,550	2.000	3.100	1
GAMI	72hs	16:48	17,500	0,000	17,500	17,500	17,500	17,300	600	10.440	3
GBAN	72hs	16:19	1,900	0,000	1,900	1,900	1,900	1,900	24.000	45.600	9
GRIM	72hs	15:55	5,800	-4,448	6,070	5,800	5,800	5,800	850	4.930	2
JMIN	72hs	16:47	1,560	0,000	1,560	1,560	1,560	1,560	4.918	7.672	3
MASU	72hs	16:52	0,920	-3,158	0,950	0,921	0,921	0,920	15.000	13.810	3
METR	72hs	16:59	1,100	4,762	1,050	1,050	1,100	1,050	81.000	87.699	16
MORI	72hs	16:54	2,180	-2,679	2,240	2,300	2,300	2,180	8.123	17.844	18
OEST	72hs	15:39	0,910	-7,143	0,980	0,910	0,910	0,910	2.084	1.901	2
PATA	72hs	16:35	18,000	0,000	18,000	18,500	18,500	18,000	1.750	32.175	4
POLL	72hs	16:54	0,000	0,000	0,500	0,000	0,000	0,000	1.000	500	1
PSUR	72hs	16:04	1,780	-0,559	1,790	1,680	1,780	1,640	9.366	15.747	10



Precios de cierre

4-9-08

Panel General

Especie	Vto	Hora	Ultimo	Var %	C Ant	Apertura	Maximo	Minimo	Vol Nom	Monto Neg	NºOp.
QUES	72hs	16:49	1,240	0,000	1,240	1,240	1,240	1,240	55.000	68.200	2
QUES5	72hs	14:37	0,000	0,000	1,240	0,000	0,000	0,000	40	49	1
REP	72hs	16:39	90,500	-1,630	92,000	90,500	90,500	90,500	17	1.538	1
RIGO	72hs	15:29	17,000	-1,163	17,200	17,000	17,000	17,000	686	11.662	3
ROSE	72hs	11:52	0,000	0,000	2,900	0,000	0,000	0,000	237	687	1
SAMI	72hs	15:52	22,000	-4,348	23,000	23,000	23,000	22,000	900	20.030	7
SEMI	72hs	14:13	2,200	-4,348	2,300	2,200	2,200	2,200	1.055	2.321	1
TEAR2	72hs	14:40	0,000	0,000	7,000	0,000	0,000	0,000	1	3	1
TGNO4	72hs	16:51	0,800	-6,977	0,860	0,820	0,820	0,800	100.919	81.559	29

Renta Fija

Especie	Vto	Hora	Ultimo	Var %	C Ant	Apertura	Maximo	Minimo	Vol Nom	Monto Neg	NºOp.
AJ12	72hs	16:59	63,000	-7,895	68,400	63,250	63,250	62,000	2.455.000	1.545.075	31
AM11	72hs	15:30	267,000	-1,111	270,000	269,500	269,500	266,000	42.270	113.147	6
BCHD1	72hs	14:42	195,000	-2,500	200,000	195,000	195,000	195,000	4.584	8.938	1
BCOR4	72hs	12:19	100,250	0,250	100,000	100,250	100,250	100,250	33.440	33.523	5
BD08	Cdo.	14:29	1.040,000	-0,096	1.041,000	1.043,000	1.043,000	1.040,000	6.540.502	6.812.000	5
BD08	24hs	15:28	1.040,000	-0,077	1.040,800	1.040,800	1.040,800	1.040,000	16.401.943	17.059.676	13
BD08C	24hs	16:20	338,487	-0,177	339,088	338,211	338,762	338,196	16.401.943	5.548.992	13
BN08	24hs	13:04	1.015,980	-0,002	1.016,000	1.015,980	1.015,980	1.015,980	1.513.317	1.537.499	2
BN08C	24hs	15:50	330,400	-0,799	333,060	330,400	330,400	330,400	1.513.317	500.000	2
BO08	Cdo.	14:23	1.023,350	-0,022	1.023,580	1.024,400	1.024,400	1.022,300	18.000.000	18.421.050	4
BO08C	Cdo.	14:12	333,000	-0,727	335,440	332,400	333,000	332,400	9.000.000	2.993.400	2
BPLE	Cdo.	12:04	131,500	-4,015	137,000	131,500	131,500	131,500	100.000	131.500	1
BV08	Cdo.	11:49	1.009,000	0,069	1.008,300	1.009,000	1.009,000	1.009,000	365.292	368.579	1
BV08C	24hs	16:25	329,364	2,360	321,770	328,560	329,364	328,293	6.376.130	2.096.002	3
DICA	72hs	16:31	224,000	-1,625	227,700	225,000	225,000	217,000	10.493	23.398	4
DICP	72hs	16:50	104,500	-3,106	107,850	106,100	106,100	104,500	25.820.522	27.248.876	50
DICPC	72hs	16:29	34,120	-2,842	35,118	34,350	34,350	34,000	16.020.728	5.483.419	19
NF18	72hs	16:48	129,900	-2,184	132,800	131,960	131,973	128,000	2.902.749	3.805.154	23
PARA	72hs	15:44	86,000	0,000	86,000	86,000	86,000	86,000	219.344	188.624	13
PARP	72hs	16:50	32,500	-2,985	33,500	33,000	33,000	32,500	6.361.000	2.082.080	7
PB14	72hs	16:59	69,000	-1,429	70,000	70,000	70,000	69,000	616.727	425.904	31
PR11	Cdo.	14:11	195,000	-1,515	198,000	199,000	200,000	195,000	38.479	75.547	7
PR11	72hs	16:50	197,500	-2,228	202,000	195,000	197,500	195,000	248.089	488.766	22
PR12	Cdo.	14:26	168,483	-2,045	172,000	170,000	170,000	168,483	351.310	592.118	11
PR12	72hs	16:59	170,000	-1,649	172,850	168,764	170,000	168,500	4.032.297	6.833.928	36
PR13	Cdo.	15:39	48,000	-3,030	49,500	47,500	48,000	47,500	82.463	39.465	10
PR13	72hs	16:59	47,900	-3,232	49,500	47,500	48,500	47,500	487.443	234.878	34
PRE8	Cdo.	14:28	225,000	-0,946	227,148	225,000	225,000	225,000	605.446	1.362.245	3
PRE8	72hs	16:36	223,000	-2,086	227,750	226,700	226,700	220,000	599.280	1.345.365	25
PRE8C	Cdo.	12:13	73,230	-2,052	74,764	74,760	74,760	73,230	2.591.244	1.928.266	2
PRE8C	72hs	15:24	72,890	-1,080	73,686	72,890	72,890	72,890	411.581	300.002	1
PRE9	72hs	16:59	124,000	-1,077	125,350	124,000	124,000	122,000	3.916.393	4.824.720	69
RA13	72hs	16:48	236,000	-0,254	236,600	237,000	237,000	235,750	49.500	116.884	16
RG12	72hs	16:59	243,850	-0,143	244,200	243,800	243,850	243,250	1.252.200	3.051.621	50
RG12C	72hs	13:00	0,000	0,000	79,000	0,000	0,000	0,000	300	238	1
RNG21	72hs	15:23	152,000	-1,299	154,000	152,000	152,000	152,000	1.656	2.517	1
RO15	Cdo.	13:51	196,500	-0,857	198,199	196,480	196,500	196,480	1.983.305	3.897.006	5
RO15	72hs	16:42	195,600	-0,962	197,500	197,000	197,500	195,600	2.623.167	5.174.500	25
RO15C	Cdo.	14:59	64,052	-1,029	64,718	64,000	64,052	63,954	1.983.305	1.269.000	5
RO15C	72hs	16:15	64,130	-0,070	64,175	64,175	64,175	64,000	2.417.367	1.550.000	5
RS08	72hs	16:55	156,500	0,000	156,500	155,000	156,500	155,000	247	384	2
RS14	72hs	16:59	98,000	-1,508	99,500	98,010	98,250	96,000	8.306.300	8.100.910	20
RS14C	72hs	14:11	31,040	-0,513	31,200	31,040	31,040	31,040	3.500.000	1.086.400	1
TGA44	Cdo.	11:26	102,412	0,695	101,705	102,412	102,412	102,412	78.414	80.305	3
TSCH3	72hs	13:48	94,000	0,000	94,000	94,000	94,000	94,000	6.131	5.763	2
TSCH4	72hs	13:49	92,200	-0,05	92,250	92,250	92,250	92,200	10.417	9.606	3
TSCH6	72hs	13:55	84,500	0,000	84,500	84,500	84,500	84,500	6.887	5.819	3
TSCH7	72hs	16:44	78,000	0,032	77,975	78,000	78,000	78,000	12.563	9.798	4
TUCS1	72hs	15:41	111,500	-2,193	114,000	111,500	111,500	111,500	19827	22121	7
TVPA	72hs	15:17	29,000	-3,333	30,000	29,000	29,000	28,000	220716	63400	8
TVPP	72hs	16:55	9,050	-1,09	9,150	9,050	9,100	9,030	3723245	336855	13



Precios de cierre

4-9-08

Cedears

Especie	Vto	Hora	Ultimo	Var %	C Ant	Apertura	Maximo	Minimo	Vol Nom	Monto Neg	NºOp.
ABX	72hs	14:13	95,050	-9,605	105,150	96,850	96,850	95,050	3,050	295.212	3
AIG	72hs	16:12	13,050	2,627	12,716	13,050	13,050	13,050	1,500	19.575	1
AIGC	72hs	16:18	4,260	-5,038	4,486	4,260	4,260	4,260	4,725	20.129	1
AMATC	72hs	16:23	3,400	-11,458	3,840	3,400	3,400	3,400	11,800	40.120	1
AXP	72hs	16:13	11,950	-3,239	12,350	11,950	11,950	11,950	3,000	35.850	1
AXPC	72hs	16:18	3,880	1,042	3,840	3,880	3,880	3,880	5,150	19.982	1
BA.CC	72hs	16:50	15,500	-5,775	16,450	15,550	15,550	15,500	1,360	21.141	3
BPC	72hs	16:25	10,900	-5,628	11,550	10,900	10,900	10,900	2,750	29.975	1
C	72hs	13:11	5,930	-1,167	6,000	5,760	5,930	5,720	16,500	96.299	6
CC	72hs	16:50	1,860	-5,102	1,960	1,940	1,940	1,860	4,000	7.613	4
CEO	72hs	15:08	101,000	-8,680	110,600	101,000	101,000	101,000	4,800	484.800	1
CL	72hs	16:12	79,100	-0,063	79,150	79,350	79,350	79,100	600	47.535	2
CMCSC	72hs	16:26	21,100	-3,653	21,900	21,100	21,100	21,100	2,370	50.007	1
CSCOC	72hs	16:41	4,540	-6,392	4,850	4,480	4,540	4,480	4,475	20.077	2
DD	72hs	14:19	27,250	-6,038	29,001	27,250	27,250	27,250	500	13.625	1
GEC	72hs	16:50	5,570	-4,296	5,820	5,580	5,580	5,570	9,890	55.166	2
HD	72hs	14:12	22,350	9,131	20,480	22,350	22,350	22,350	400	8.940	1
HDC	72hs	16:29	7,150	13,600	6,294	7,160	7,160	7,150	2,800	20.025	2
INTC	72hs	16:12	12,750	-9,894	14,150	12,750	12,750	12,750	2,500	31.875	1
INTCC	72hs	16:27	4,130	-10,412	4,610	4,130	4,130	4,130	4,850	20.030	2
JNJC	72hs	16:34	14,150	-0,408	14,208	14,150	14,150	14,150	3,180	44.997	1
JPMC	72hs	16:29	3,890	-1,768	3,960	3,940	3,940	3,890	7,170	27.986	3
KMBC	72hs	16:35	20,500	0,210	20,457	20,500	20,500	20,500	1,200	24.600	1
KO	72hs	16:12	32,050	0,000	32,050	32,050	32,050	32,050	500	16.025	1
MCDC	72hs	16:36	15,100	-2,303	15,456	15,100	15,100	15,100	1,320	19.932	1
MRK	72hs	12:32	10,450	-4,435	10,935	10,450	10,450	10,450	2,700	28.215	1
MSFTC	72hs	16:37	5,330	-4,617	5,588	5,330	5,330	5,330	12,250	65.293	1
NEM	72hs	11:32	126,300	-14,804	148,246	126,300	126,300	126,300	2,350	296.805	3
NKE	72hs	16:18	61,550	-13,470	71,131	61,550	61,550	61,550	300	18.465	1
ORCLC	72hs	16:37	6,760	-13,111	7,780	6,760	6,760	6,760	3,690	24.944	1
PFE	72hs	12:33	28,750	-2,707	29,550	28,750	28,750	28,750	1,200	34.500	1
PFEFC	72hs	16:32	9,380	-5,729	9,950	9,380	9,380	9,380	4,800	45.024	1
PG	72hs	14:12	43,850	1,387	43,250	43,850	43,850	43,850	500	21.925	1
PGC	72hs	16:33	14,150	1,071	14,000	14,150	14,150	14,150	1,770	25.046	1
SPLSC	72hs	16:20	24,700	-0,604	24,850	24,750	24,750	24,700	1,619	40.060	2
TYCC	72hs	16:20	8,220	-7,640	8,900	8,230	8,230	8,220	3,045	25.047	2
UTXC	72hs	16:16	13,000	-1,141	13,150	13,050	13,050	13,000	1,925	25.034	2
VIABC	72hs	16:15	28,150	-3,925	29,300	28,200	28,200	28,150	710	19.999	2
WBC	72hs	16:14	7,960	1,466	7,845	7,970	7,970	7,960	5,040	40.131	2
WMTC	72hs	16:11	20,100	0,500	20,000	20,150	20,150	20,100	1,239	24.940	2
XOMC	72hs	16:10	15,300	-5,263	16,150	15,350	15,350	15,300	1,300	19.896	2

TIPO DE CAMBIO

Mercado de divisas		
Cada 100 unidades, excepto (*)	Comprador	Vendedor
Dólar EE.UU. (*)	2,9980	3,0380
Libra esterlina (*)	5,3101	5,3870
Euro (*)	4,3033	4,3610
Franco Suizo	270,4932	274,4994
Yen	2,7908	2,8321
Dólar canadiense	281,3895	285,6853
Corona danesa	57,6782	58,7359
Corona noruega	53,8173	54,8677
Corona sueca	45,3849	46,2709

Fuente: Banco de la Nación Argentina por cada 100 unidades. (*) Cotización por unidad.

Mercado cambiario		
	Comprador	Vendedor
USD Banco Nación	2,9980	3,0380
USD Bco Central Referencia	3,0392	
USD Interbancario	3,0350	3,0375
USD Mayorista bancos	3,0350	3,0400
USD Mayorista casas cambio	3,0725	3,0750
USD Minorista casas cambio	3,0300	3,0600
USD Valor hoy mercado	3,0400	3,0425
EUR Mayorista casas cambio	4,3900	4,4300
EUR Minorista casas cambio	4,3600	4,4600

Fuente: Agencias de noticias Reuters y CMA. Cotización por unidad.