

Title: Evaluation of aluminum and magnesium absorption following the oral administration of an antacid suspension containing magaldrate in healthy females under fed conditions

Journal: Advances in Therapy

Running heading: Aluminum and magnesium absorption from oral antacids containing magaldrate in healthy females

Authors: Maria Juliana Burgos Castillo¹, Maria Juliana Cruz Palacios¹ <https://orcid.org/0000-0002-3302-0679> , Kamila Iorgatchof Xavier² <https://orcid.org/0000-0003-0620-1666> , Silvana Aparecida Calafatti Carandina², Isaac Arbeláez Quintero¹ <https://orcid.org/0000-0002-8846-7275> , Leandro do Prado Assunção² <https://orcid.org/0000-0002-1743-8151> .

¹ Tecnoquímicas S.A. (Scientific Medical Direction), Cali, Colombia

² Centro Avançado de Estudos e Pesquisas (CAEP), Campinas, Brazil

Corresponding author

Correspondence to María Juliana Cruz Palacios, mjcruz@tggrupo.com

Supplementary table 01. Plasma concentrations of aluminum and magnesium in group A and group B.

Mg: Magnesium; Al: Aluminum; GA: Group A; GB: Group B.

Subject	Analyte	Formulation	Period	Sequence	Time (hr)	Analytical Quantification	Concentration	Units	Dose
1	Mg	GA	1	GA	-12.00	17.395	17.395	mg/L	800
1	Mg	GA	1	GA	-6.00	19.416	19.416	mg/L	800
1	Mg	GA	1	GA	-1.00	19.739	19.739	mg/L	800
1	Mg	GA	1	GA	0.17	19.257	19.257	mg/L	800
1	Mg	GA	1	GA	0.33	19.043	19.043	mg/L	800
1	Mg	GA	1	GA	0.50	20.396	20.396	mg/L	800
1	Mg	GA	1	GA	0.67	20.965	20.965	mg/L	800
1	Mg	GA	1	GA	0.83	21.053	21.053	mg/L	800
1	Mg	GA	1	GA	1.00	20.046	20.046	mg/L	800
1	Mg	GA	1	GA	1.25	20.456	20.456	mg/L	800
1	Mg	GA	1	GA	1.50	20.280	20.280	mg/L	800
1	Mg	GA	1	GA	1.75	23.471	23.471	mg/L	800
1	Mg	GA	1	GA	2.00	20.604	20.604	mg/L	800
1	Mg	GA	1	GA	2.25	20.406	20.406	mg/L	800
1	Mg	GA	1	GA	2.50	21.085	21.085	mg/L	800
1	Mg	GA	1	GA	2.75	20.284	20.284	mg/L	800
1	Mg	GA	1	GA	3.00	20.598	20.598	mg/L	800
1	Mg	GA	1	GA	3.50	20.858	20.858	mg/L	800
1	Mg	GA	1	GA	4.00	21.676	21.676	mg/L	800
1	Mg	GA	1	GA	4.50	22.154	22.154	mg/L	800
1	Mg	GA	1	GA	5.00	20.881	20.881	mg/L	800
1	Mg	GA	1	GA	5.50	20.351	20.351	mg/L	800
1	Mg	GA	1	GA	6.00	19.868	19.868	mg/L	800
1	Mg	GA	1	GA	8.00	19.967	19.967	mg/L	800
1	Mg	GA	1	GA	10.00	20.436	20.436	mg/L	800
1	Mg	GA	1	GA	12.00	19.929	19.929	mg/L	800
2	Mg	GA	1	GA	-12.00	24.770	24.770	mg/L	800
2	Mg	GA	1	GA	-6.00	23.899	23.899	mg/L	800
2	Mg	GA	1	GA	-1.00	22.725	22.725	mg/L	800
2	Mg	GA	1	GA	0.17	24.793	24.793	mg/L	800
2	Mg	GA	1	GA	0.33	22.052	22.052	mg/L	800
2	Mg	GA	1	GA	0.50	18.688	18.688	mg/L	800
2	Mg	GA	1	GA	0.67	23.312	23.312	mg/L	800
2	Mg	GA	1	GA	0.83	23.119	23.119	mg/L	800
2	Mg	GA	1	GA	1.00	23.055	23.055	mg/L	800
2	Mg	GA	1	GA	1.25	23.506	23.506	mg/L	800
2	Mg	GA	1	GA	1.50	24.660	24.660	mg/L	800
2	Mg	GA	1	GA	1.75	23.702	23.702	mg/L	800
2	Mg	GA	1	GA	2.00	24.586	24.586	mg/L	800
2	Mg	GA	1	GA	2.25	23.835	23.835	mg/L	800
2	Mg	GA	1	GA	2.50	24.155	24.155	mg/L	800
2	Mg	GA	1	GA	2.75	21.920	21.920	mg/L	800
2	Mg	GA	1	GA	3.00	23.350	23.350	mg/L	800

2	Mg	GA	1	GA	3.50	24.089	24.089	mg/L	800
2	Mg	GA	1	GA	4.00	23.026	23.026	mg/L	800
2	Mg	GA	1	GA	4.50	25.492	25.492	mg/L	800
2	Mg	GA	1	GA	5.00	23.250	23.250	mg/L	800
2	Mg	GA	1	GA	5.50	23.110	23.110	mg/L	800
2	Mg	GA	1	GA	6.00	23.275	23.275	mg/L	800
2	Mg	GA	1	GA	8.00	24.142	24.142	mg/L	800
2	Mg	GA	1	GA	10.00	24.214	24.214	mg/L	800
2	Mg	GA	1	GA	12.00	27.769	27.769	mg/L	800
3	Mg	GB	1	GB	-12.00	23.325	23.325	mg/L	800
3	Mg	GB	1	GB	-6.00	24.221	24.221	mg/L	800
3	Mg	GB	1	GB	-1.00	22.583	22.583	mg/L	800
3	Mg	GB	1	GB	0.17	21.273	21.273	mg/L	800
3	Mg	GB	1	GB	0.33	23.065	23.065	mg/L	800
3	Mg	GB	1	GB	0.50	21.990	21.990	mg/L	800
3	Mg	GB	1	GB	0.67	23.958	23.958	mg/L	800
3	Mg	GB	1	GB	0.83	22.800	22.800	mg/L	800
3	Mg	GB	1	GB	1.00	25.009	25.009	mg/L	800
3	Mg	GB	1	GB	1.25	25.187	25.187	mg/L	800
3	Mg	GB	1	GB	1.50	23.827	23.827	mg/L	800
3	Mg	GB	1	GB	1.75	22.418	22.418	mg/L	800
3	Mg	GB	1	GB	2.00	23.973	23.973	mg/L	800
3	Mg	GB	1	GB	2.25	25.117	25.117	mg/L	800
3	Mg	GB	1	GB	2.50	23.102	23.102	mg/L	800
3	Mg	GB	1	GB	2.75	23.096	23.096	mg/L	800
3	Mg	GB	1	GB	3.00	24.357	24.357	mg/L	800
3	Mg	GB	1	GB	3.50	24.168	24.168	mg/L	800
3	Mg	GB	1	GB	4.00	24.741	24.741	mg/L	800
3	Mg	GB	1	GB	4.50	24.004	24.004	mg/L	800
3	Mg	GB	1	GB	5.00	22.736	22.736	mg/L	800
3	Mg	GB	1	GB	5.50	23.026	23.026	mg/L	800
3	Mg	GB	1	GB	6.00	22.807	22.807	mg/L	800
3	Mg	GB	1	GB	8.00	22.734	22.734	mg/L	800
3	Mg	GB	1	GB	10.00	23.174	23.174	mg/L	800
3	Mg	GB	1	GB	12.00	25.829	25.829	mg/L	800
4	Mg	GA	1	GA	-12.00	20.915	20.915	mg/L	800
4	Mg	GA	1	GA	-6.00	24.278	24.278	mg/L	800
4	Mg	GA	1	GA	-1.00	21.288	21.288	mg/L	800
4	Mg	GA	1	GA	0.17	20.600	20.600	mg/L	800
4	Mg	GA	1	GA	0.33	15.866	15.866	mg/L	800
4	Mg	GA	1	GA	0.50	22.427	22.427	mg/L	800
4	Mg	GA	1	GA	0.67	25.289	25.289	mg/L	800
4	Mg	GA	1	GA	0.83	22.908	22.908	mg/L	800
4	Mg	GA	1	GA	1.00	22.995	22.995	mg/L	800
4	Mg	GA	1	GA	1.25	22.063	22.063	mg/L	800
4	Mg	GA	1	GA	1.50	23.229	23.229	mg/L	800
4	Mg	GA	1	GA	1.75	21.913	21.913	mg/L	800
4	Mg	GA	1	GA	2.00	23.978	23.978	mg/L	800

4	Mg	GA	1	GA	2.25	22.656	22.656	mg/L	800
4	Mg	GA	1	GA	2.50	21.832	21.832	mg/L	800
4	Mg	GA	1	GA	2.75	24.062	24.062	mg/L	800
4	Mg	GA	1	GA	3.00	23.465	23.465	mg/L	800
4	Mg	GA	1	GA	3.50	25.498	25.498	mg/L	800
4	Mg	GA	1	GA	4.00	25.563	25.563	mg/L	800
4	Mg	GA	1	GA	4.50	24.237	24.237	mg/L	800
4	Mg	GA	1	GA	5.00	23.770	23.770	mg/L	800
4	Mg	GA	1	GA	5.50	23.310	23.310	mg/L	800
4	Mg	GA	1	GA	6.00	21.664	21.664	mg/L	800
4	Mg	GA	1	GA	8.00	21.636	21.636	mg/L	800
4	Mg	GA	1	GA	10.00	23.194	23.194	mg/L	800
4	Mg	GA	1	GA	12.00	23.025	23.025	mg/L	800
5	Mg	GA	1	GA	-12.00	21.446	21.446	mg/L	800
5	Mg	GA	1	GA	-6.00	22.369	22.369	mg/L	800
5	Mg	GA	1	GA	-1.00	21.179	21.179	mg/L	800
5	Mg	GA	1	GA	0.17	20.311	20.311	mg/L	800
5	Mg	GA	1	GA	0.33	22.458	22.458	mg/L	800
5	Mg	GA	1	GA	0.50	20.951	20.951	mg/L	800
5	Mg	GA	1	GA	0.67	21.929	21.929	mg/L	800
5	Mg	GA	1	GA	0.83	22.115	22.115	mg/L	800
5	Mg	GA	1	GA	1.00	23.394	23.394	mg/L	800
5	Mg	GA	1	GA	1.25	23.306	23.306	mg/L	800
5	Mg	GA	1	GA	1.50	21.725	21.725	mg/L	800
5	Mg	GA	1	GA	1.75	24.482	24.482	mg/L	800
5	Mg	GA	1	GA	2.00	21.038	21.038	mg/L	800
5	Mg	GA	1	GA	2.25	21.348	21.348	mg/L	800
5	Mg	GA	1	GA	2.50	22.320	22.320	mg/L	800
5	Mg	GA	1	GA	2.75	22.608	22.608	mg/L	800
5	Mg	GA	1	GA	3.00	22.360	22.360	mg/L	800
5	Mg	GA	1	GA	3.50	23.481	23.481	mg/L	800
5	Mg	GA	1	GA	4.00	22.166	22.166	mg/L	800
5	Mg	GA	1	GA	4.50	22.204	22.204	mg/L	800
5	Mg	GA	1	GA	5.00	20.604	20.604	mg/L	800
5	Mg	GA	1	GA	5.50	21.334	21.334	mg/L	800
5	Mg	GA	1	GA	6.00	22.617	22.617	mg/L	800
5	Mg	GA	1	GA	8.00	21.019	21.019	mg/L	800
5	Mg	GA	1	GA	10.00	21.520	21.520	mg/L	800
5	Mg	GA	1	GA	12.00	23.343	23.343	mg/L	800
6	Mg	GA	1	GA	-12.00	23.727	23.727	mg/L	800
6	Mg	GA	1	GA	-6.00	20.866	20.866	mg/L	800
6	Mg	GA	1	GA	-1.00	21.971	21.971	mg/L	800
6	Mg	GA	1	GA	0.17	21.794	21.794	mg/L	800
6	Mg	GA	1	GA	0.33	22.046	22.046	mg/L	800
6	Mg	GA	1	GA	0.50	23.887	23.887	mg/L	800
6	Mg	GA	1	GA	0.67	23.926	23.926	mg/L	800
6	Mg	GA	1	GA	0.83	25.483	25.483	mg/L	800
6	Mg	GA	1	GA	1.00	24.070	24.070	mg/L	800

6	Mg	GA	1	GA	1.25	23.745	23.745	mg/L	800
6	Mg	GA	1	GA	1.50	23.522	23.522	mg/L	800
6	Mg	GA	1	GA	1.75	24.080	24.080	mg/L	800
6	Mg	GA	1	GA	2.00	27.002	27.002	mg/L	800
6	Mg	GA	1	GA	2.25	25.108	25.108	mg/L	800
6	Mg	GA	1	GA	2.50	26.212	26.212	mg/L	800
6	Mg	GA	1	GA	2.75	26.572	26.572	mg/L	800
6	Mg	GA	1	GA	3.00	26.924	26.924	mg/L	800
6	Mg	GA	1	GA	3.50	23.904	23.904	mg/L	800
6	Mg	GA	1	GA	4.00	25.435	25.435	mg/L	800
6	Mg	GA	1	GA	4.50	25.904	25.904	mg/L	800
6	Mg	GA	1	GA	5.00	24.140	24.140	mg/L	800
6	Mg	GA	1	GA	5.50	25.023	25.023	mg/L	800
6	Mg	GA	1	GA	6.00	24.176	24.176	mg/L	800
6	Mg	GA	1	GA	8.00	23.963	23.963	mg/L	800
6	Mg	GA	1	GA	10.00	20.954	20.954	mg/L	800
6	Mg	GA	1	GA	12.00	22.822	22.822	mg/L	800
7	Mg	GA	1	GA	-12.00	18.529	18.529	mg/L	800
7	Mg	GA	1	GA	-6.00	19.887	19.887	mg/L	800
7	Mg	GA	1	GA	-1.00	19.104	19.104	mg/L	800
7	Mg	GA	1	GA	0.17	21.092	21.092	mg/L	800
7	Mg	GA	1	GA	0.33	18.812	18.812	mg/L	800
7	Mg	GA	1	GA	0.50	18.908	18.908	mg/L	800
7	Mg	GA	1	GA	0.67	18.486	18.486	mg/L	800
7	Mg	GA	1	GA	0.83	18.633	18.633	mg/L	800
7	Mg	GA	1	GA	1.00	17.774	17.774	mg/L	800
7	Mg	GA	1	GA	1.25	17.924	17.924	mg/L	800
7	Mg	GA	1	GA	1.50	17.584	17.584	mg/L	800
7	Mg	GA	1	GA	1.75	17.960	17.960	mg/L	800
7	Mg	GA	1	GA	2.00	18.723	18.723	mg/L	800
7	Mg	GA	1	GA	2.25	17.951	17.951	mg/L	800
7	Mg	GA	1	GA	2.50	17.735	17.735	mg/L	800
7	Mg	GA	1	GA	2.75	17.865	17.865	mg/L	800
7	Mg	GA	1	GA	3.00	19.440	19.440	mg/L	800
7	Mg	GA	1	GA	3.50	17.781	17.781	mg/L	800
7	Mg	GA	1	GA	4.00	19.287	19.287	mg/L	800
7	Mg	GA	1	GA	4.50	18.883	18.883	mg/L	800
7	Mg	GA	1	GA	5.00	18.582	18.582	mg/L	800
7	Mg	GA	1	GA	5.50	18.519	18.519	mg/L	800
7	Mg	GA	1	GA	6.00	18.161	18.161	mg/L	800
7	Mg	GA	1	GA	8.00	19.540	19.540	mg/L	800
7	Mg	GA	1	GA	10.00	18.320	18.320	mg/L	800
7	Mg	GA	1	GA	12.00	14.854	14.854	mg/L	800
8	Mg	GA	1	GA	-12.00	18.103	18.103	mg/L	800
8	Mg	GA	1	GA	-6.00	16.583	16.583	mg/L	800
8	Mg	GA	1	GA	-1.00	17.228	17.228	mg/L	800
8	Mg	GA	1	GA	0.17	16.996	16.996	mg/L	800
8	Mg	GA	1	GA	0.33	17.996	17.996	mg/L	800

8	Mg	GA	1	GA	0.50	17.577	17.577	mg/L	800
8	Mg	GA	1	GA	0.67	18.075	18.075	mg/L	800
8	Mg	GA	1	GA	0.83	17.271	17.271	mg/L	800
8	Mg	GA	1	GA	1.00	17.882	17.882	mg/L	800
8	Mg	GA	1	GA	1.25	16.920	16.920	mg/L	800
8	Mg	GA	1	GA	1.50	17.551	17.551	mg/L	800
8	Mg	GA	1	GA	1.75	17.515	17.515	mg/L	800
8	Mg	GA	1	GA	2.00	17.234	17.234	mg/L	800
8	Mg	GA	1	GA	2.25	15.919	15.919	mg/L	800
8	Mg	GA	1	GA	2.50	16.335	16.335	mg/L	800
8	Mg	GA	1	GA	2.75	17.320	17.320	mg/L	800
8	Mg	GA	1	GA	3.00	17.115	17.115	mg/L	800
8	Mg	GA	1	GA	3.50	20.058	20.058	mg/L	800
8	Mg	GA	1	GA	4.00	17.525	17.525	mg/L	800
8	Mg	GA	1	GA	4.50	16.985	16.985	mg/L	800
8	Mg	GA	1	GA	5.00	17.467	17.467	mg/L	800
8	Mg	GA	1	GA	5.50	16.832	16.832	mg/L	800
8	Mg	GA	1	GA	6.00	15.955	15.955	mg/L	800
8	Mg	GA	1	GA	8.00	16.595	16.595	mg/L	800
8	Mg	GA	1	GA	10.00	16.568	16.568	mg/L	800
8	Mg	GA	1	GA	12.00	16.954	16.954	mg/L	800
9	Mg	GA	1	GA	-12.00	18.963	18.963	mg/L	800
9	Mg	GA	1	GA	-6.00	19.137	19.137	mg/L	800
9	Mg	GA	1	GA	-1.00	17.345	17.345	mg/L	800
9	Mg	GA	1	GA	0.17	17.243	17.243	mg/L	800
9	Mg	GA	1	GA	0.33	20.619	20.619	mg/L	800
9	Mg	GA	1	GA	0.50	18.906	18.906	mg/L	800
9	Mg	GA	1	GA	0.67	13.802	13.802	mg/L	800
9	Mg	GA	1	GA	0.83	19.168	19.168	mg/L	800
9	Mg	GA	1	GA	1.00	20.362	20.362	mg/L	800
9	Mg	GA	1	GA	1.25	21.364	21.364	mg/L	800
9	Mg	GA	1	GA	1.50	21.394	21.394	mg/L	800
9	Mg	GA	1	GA	1.75	20.038	20.038	mg/L	800
9	Mg	GA	1	GA	2.00	21.725	21.725	mg/L	800
9	Mg	GA	1	GA	2.25	23.595	23.595	mg/L	800
9	Mg	GA	1	GA	2.50	21.914	21.914	mg/L	800
9	Mg	GA	1	GA	2.75	21.237	21.237	mg/L	800
9	Mg	GA	1	GA	3.00	22.262	22.262	mg/L	800
9	Mg	GA	1	GA	3.50	19.543	19.543	mg/L	800
9	Mg	GA	1	GA	4.00	22.437	22.437	mg/L	800
9	Mg	GA	1	GA	4.50	21.704	21.704	mg/L	800
9	Mg	GA	1	GA	5.00	21.058	21.058	mg/L	800
9	Mg	GA	1	GA	5.50	19.958	19.958	mg/L	800
9	Mg	GA	1	GA	6.00	21.895	21.895	mg/L	800
9	Mg	GA	1	GA	8.00	22.691	22.691	mg/L	800
9	Mg	GA	1	GA	10.00	23.018	23.018	mg/L	800
9	Mg	GA	1	GA	12.00	20.765	20.765	mg/L	800
10	Mg	GB	1	GB	-12.00	19.977	19.977	mg/L	800

10	Mg	GB	1	GB	-6.00	22.602	22.602	mg/L	800
10	Mg	GB	1	GB	-1.00	20.103	20.103	mg/L	800
10	Mg	GB	1	GB	0.17	20.497	20.497	mg/L	800
10	Mg	GB	1	GB	0.33	18.428	18.428	mg/L	800
10	Mg	GB	1	GB	0.50	19.552	19.552	mg/L	800
10	Mg	GB	1	GB	0.67	21.392	21.392	mg/L	800
10	Mg	GB	1	GB	0.83	21.951	21.951	mg/L	800
10	Mg	GB	1	GB	1.00	22.126	22.126	mg/L	800
10	Mg	GB	1	GB	1.25	21.593	21.593	mg/L	800
10	Mg	GB	1	GB	1.50	21.750	21.750	mg/L	800
10	Mg	GB	1	GB	1.75	21.390	21.390	mg/L	800
10	Mg	GB	1	GB	2.00	20.156	20.156	mg/L	800
10	Mg	GB	1	GB	2.25	21.081	21.081	mg/L	800
10	Mg	GB	1	GB	2.50	21.185	21.185	mg/L	800
10	Mg	GB	1	GB	2.75	21.424	21.424	mg/L	800
10	Mg	GB	1	GB	3.00	21.104	21.104	mg/L	800
10	Mg	GB	1	GB	3.50	20.356	20.356	mg/L	800
10	Mg	GB	1	GB	4.00	19.679	19.679	mg/L	800
10	Mg	GB	1	GB	4.50	22.998	22.998	mg/L	800
10	Mg	GB	1	GB	5.00	18.476	18.476	mg/L	800
10	Mg	GB	1	GB	5.50	22.413	22.413	mg/L	800
10	Mg	GB	1	GB	6.00	22.449	22.449	mg/L	800
10	Mg	GB	1	GB	8.00	24.301	24.301	mg/L	800
10	Mg	GB	1	GB	10.00	21.554	21.554	mg/L	800
10	Mg	GB	1	GB	12.00	21.885	21.885	mg/L	800
1	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800

1	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
1	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
2	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	-12.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	-6.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	-1.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	0.17	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	0.33	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	0.50	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	0.67	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	0.83	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	1.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	1.25	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	1.50	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	1.75	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	2.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	2.25	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	2.50	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	2.75	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	3.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	3.50	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	4.00	(<LIQ)	0.000	µg/L	800

3	Al	GB	1	GB	4.50	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	5.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	5.50	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	6.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	8.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	10.00	(<LIQ)	0.000	µg/L	800
3	Al	GB	1	GB	12.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
4	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800

5	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
5	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
6	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800

7	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
7	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
8	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	-12.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	-6.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	-1.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	0.17	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	0.33	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	0.50	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	0.67	(<LIQ)	0.000	µg/L	800

9	Al	GA	1	GA	0.83	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	1.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	1.25	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	1.50	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	1.75	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	2.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	2.25	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	2.50	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	2.75	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	3.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	3.50	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	4.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	4.50	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	5.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	5.50	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	6.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	8.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	10.00	(<LIQ)	0.000	µg/L	800
9	Al	GA	1	GA	12.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	-12.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	-6.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	-1.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	0.17	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	0.33	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	0.50	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	0.67	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	0.83	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	1.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	1.25	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	1.50	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	1.75	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	2.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	2.25	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	2.50	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	2.75	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	3.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	3.50	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	4.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	4.50	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	5.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	5.50	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	6.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	8.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	10.00	(<LIQ)	0.000	µg/L	800
10	Al	GB	1	GB	12.00	(<LIQ)	0.000	µg/L	800

Supplementary table 02. Pharmacokinetic parameters of aluminum and magnesium for groups A and B. Mg: Magnesium; Al: Aluminum; GA: Group A; GB: Group B; PR: Participant of Research; Kel: Elimination constant; T1/2: Elimination half-life; Tmax: Time required to reach Cmax; Cmax: Maximum concentration reached; AUC_{0-t}: Area under the curve from time zero to time t; AUC_{0-inf}: Area under the curve from zero to infinity; AUC_{Extrap}: Percentage of extrapolation between AUC_{0-∞} e AUC_{0-t}; VD: Distribution volume; Cl: Clearance.

Analyte	Formula tion	Do se (mg)	Basal Concetra tion	P R	Peri od	Kel (1/h)	T1/2 (h)	Tmax (h)	Cmax (µg/ L or mg/ L)	AUC _{0-t} (h*µg/ L or h*mg/ L)	AUC _{0-inf} (h*µg/ L or h*mg/ L)	AUC _{Extrap} (%)	VD (L)	Cl (L/h)
Mg	GA	800	Yes	1	1	0.094	7.359	1.750	4.621	19.308	30.762	37.236	276.080	26.006
Mg	GA	800	Yes	2	1	NC	NC	12.000	3.971	7.160	NC	NC	NC	NC
Mg	GA	800	Yes	4	1	0.040	17.219	4.000	3.402	11.394	32.882	65.349	604.385	24.329
Mg	GA	800	Yes	5	1	NC	NC	1.750	2.817	6.700	NC	NC	NC	NC
Mg	GA	800	Yes	6	1	0.213	3.259	2.000	4.814	21.921	24.902	11.970	151.035	32.127
Mg	GA	800	Yes	7	1	NC	NC	0.167	1.919	0.844	NC	NC	NC	NC
Mg	GA	800	Yes	8	1	NC	NC	3.500	2.753	2.055	NC	NC	NC	NC
Mg	GA	800	Yes	9	1	0.153	4.536	2.250	5.113	38.012	52.957	28.222	98.850	15.107
Mg	GB	800	Yes	3	1	NC	NC	12.000	2.453	5.801	NC	NC	NC	NC
Mg	GB	800	Yes	10	1	NC	NC	8.000	3.407	14.239	NC	NC	NC	NC
Mg	GA	800	No	1	1	0.009	75.614	1.750	23.471	243.861	2417.893	89.914	36.094	0.331
Mg	GA	800	No	2	1	NC	NC	12.000	27.769	286.868	NC	NC	NC	NC
Mg	GA	800	No	4	1	0.004	180.802	4.000	25.563	272.326	6278.252	95.662	33.237	0.127
Mg	GA	800	No	5	1	0.001	723.486	1.750	24.482	262.013	24627.231	98.936	33.906	0.032
Mg	GA	800	No	6	1	0.020	35.336	2.000	27.002	283.772	1447.238	80.392	28.180	0.553
Mg	GA	800	No	7	1	0.069	10.112	0.167	21.092	218.218	434.930	49.827	26.835	1.839
Mg	GA	800	No	8	1	0.003	210.988	3.500	20.058	202.151	5362.819	96.231	45.408	0.149
Mg	GA	800	No	9	1	0.022	31.266	2.250	23.595	257.265	1193.934	78.452	30.224	0.670
Mg	GB	800	No	3	1	NC	NC	12.000	25.829	280.364	NC	NC	NC	NC
Mg	GB	800	No	10	1	NC	NC	8.000	24.301	260.257	NC	NC	NC	NC
Al	GA	800	Yes	1	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	Yes	2	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	Yes	4	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	Yes	5	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	Yes	6	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC

Analyte	Formulation	Dose (mg)	Basal Concentration	PR	Period	Kel (1/h)	T1/2 (h)	Tmax (h)	Cmax (µg/L or mg/L)	AUC0-t (h*µg/L or h*mg/L)	AUC0-inf (h*µg/L or h*mg/L)	AUExt rap (%)	VD (L)	CI (L/h)
Al	GA	800	Yes	7	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	Yes	8	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	Yes	9	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GB	800	Yes	3	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GB	800	Yes	10	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	1	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	2	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	4	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	5	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	6	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	7	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	8	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GA	800	No	9	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GB	800	No	3	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC
Al	GB	800	No	10	1	NC	NC	0.000	0.000	NC	NC	NC	NC	NC

* Parameters to Al in ug/L and Mg in mg/L

Supplementary Table 03. Descriptive statistics of plasma aluminum concentrations in groups A and B. Group A: Participants who were administered Gastrofast® Advance. Group B: Participants who were not administered Gastrofast® Advance.

Conditions	Parámetro	N	Mean	E.S.	CV %	Min.	Max.
Group A without correction	C_{máx}	8	0.000	-	-	0.000	0.000
	AUC_{0-t}	8	0.000	-	-	0.000	0.000
	AUC_{0-inf}	8	0.000	-	-	0.000	0.000
Group A with correction	C_{máx}	8	0.000	-	-	0.000	0.000
	AUC_{0-t}	8	0.000	-	-	0.000	0.000
	AUC_{0-inf}	8	0.000	-	-	0.000	0.000
Group B without correction	C_{máx}	2	0.000	-	-	0.000	0.000
	AUC_{0-t}	2	0.000	-	-	0.000	0.000
	AUC_{0-inf}	-	-	-	-	-	-
Group B with correction	C_{máx}	2	0.000	-	-	0.000	0.000
	AUC_{0-t}	2	0.000	-	-	0.000	0.000
	AUC_{0-inf}	-	-	-	-	-	-