

Each transaction relating to the buy-back programme in shares of Siemens AG with ISIN DE0007236101 by Goldman Sachs International according to Art. 5 sec. 3 MAR in conjunction with Art. 26 sec. 1, 2 and 3 MIFIR  
 In red colour are the fields according to Table 2 of Annex I of Del. Regulation (EU) 2017/590

|                          | Trading date time according to field 28 | Quantity according to field 30 | Price according to field 33 | Price Currency according to field 34 | Venue according to field 36 |
|--------------------------|---|--------------------------------|-----------------------------|--------------------------------------|-----------------------------|
| Aggregation 18Oct19 XETA | 18-10-19 08:28:24.926116 CET            | 219                            | 99.39                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:28:24.926179 CET            | 142                            | 99.39                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:31:17.547690 CET            | 283                            | 99.45                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:34:19.935758 CET            | 228                            | 99.52                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:34:19.935873 CET            | 46                             | 99.52                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:35:56.906569 CET            | 194                            | 99.51                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:40:32.301053 CET            | 237                            | 99.37                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:44:56.602350 CET            | 196                            | 99.42                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:45:40.205212 CET            | 172                            | 99.43                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:49:11.855305 CET            | 310                            | 99.47                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:54:05.280668 CET            | 134                            | 99.39                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:58:03.876029 CET            | 172                            | 99.56                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:59:49.350732 CET            | 19                             | 99.48                       | EUR                                  | XETA                        |
|                          | 18-10-19 08:59:49.350796 CET            | 194                            | 99.48                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:04:59.587540 CET            | 5                              | 99.44                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:07:01.296865 CET            | 241                            | 99.48                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:10:38.330767 CET            | 181                            | 99.52                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:13:25.748588 CET            | 126                            | 99.46                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:13:25.753218 CET            | 161                            | 99.46                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:22:08.155789 CET            | 45                             | 99.55                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:22:08.155870 CET            | 59                             | 99.55                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:22:08.155970 CET            | 111                            | 99.55                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:30:04.476772 CET            | 17                             | 99.52                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:30:04.476887 CET            | 185                            | 99.52                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:31:50.489945 CET            | 214                            | 99.53                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:31:53.309708 CET            | 194                            | 99.5                        | EUR                                  | XETA                        |
|                          | 18-10-19 09:39:53.938322 CET            | 295                            | 99.54                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:43:32.744055 CET            | 207                            | 99.64                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:46:35.155495 CET            | 171                            | 99.72                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:48:24.260080 CET            | 284                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 09:53:11.562699 CET            | 175                            | 99.78                       | EUR                                  | XETA                        |
|                          | 18-10-19 09:53:11.562772 CET            | 40                             | 99.78                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:01:22.912743 CET            | 65                             | 99.82                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:03:53.934419 CET            | 44                             | 99.79                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:03:53.934495 CET            | 157                            | 99.79                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:05:13.272579 CET            | 152                            | 99.78                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:07:31.55611 CET             | 199                            | 99.76                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:10:05.385274 CET            | 207                            | 99.75                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:13:44.852993 CET            | 131                            | 99.64                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:17:20.198870 CET            | 21                             | 99.57                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:21:54.604268 CET            | 158                            | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:21:55.564888 CET            | 232                            | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:24:32.743894 CET            | 170                            | 99.59                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:24:32.744004 CET            | 98                             | 99.59                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:30:18.875214 CET            | 179                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:32:57.146133 CET            | 125                            | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:32:57.146133 CET            | 100                            | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:32:57.146216 CET            | 46                             | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:39:03.236718 CET            | 240                            | 99.86                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:40:25.131389 CET            | 260                            | 99.87                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:46:15.912850 CET            | 175                            | 99.79                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:49:20.109793 CET            | 258                            | 99.77                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:50:15.131995 CET            | 63                             | 99.68                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:50:30.616375 CET            | 170                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:50:44.524776 CET            | 167                            | 99.69                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:51:14.524900 CET            | 227                            | 99.73                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:52:04.256746 CET            | 135                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:52:04.286211 CET            | 236                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:52:14.704680 CET            | 177                            | 99.71                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:53:11.605447 CET            | 184                            | 99.72                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:53:29.511980 CET            | 245                            | 99.71                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:54:34.62038 CET             | 172                            | 99.65                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:54:44.704734 CET            | 179                            | 99.64                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:54:59.504707 CET            | 203                            | 99.58                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:55:59.504688 CET            | 250                            | 99.57                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:56:59.704716 CET            | 279                            | 99.5                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:57:29.504677 CET            | 209                            | 99.5                        | EUR                                  | XETA                        |
|                          | 18-10-19 10:58:14.504683 CET            | 240                            | 99.49                       | EUR                                  | XETA                        |
|                          | 18-10-19 10:58:59.765499 CET            | 376                            | 99.52                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:04:09.502276 CET            | 214                            | 99.57                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:06:58.10774 CET             | 180                            | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:06:58.10831 CET             | 5                              | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:11:18.753544 CET            | 81                             | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 11:11:18.753676 CET            | 143                            | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 11:19:07.401164 CET            | 38                             | 99.64                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:19:47.367954 CET            | 182                            | 99.65                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:19:47.368004 CET            | 2                              | 99.65                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:20:16.152603 CET            | 16                             | 99.65                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:20:16.152712 CET            | 152                            | 99.65                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:22:16.893593 CET            | 2                              | 99.64                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:23:03.385691 CET            | 199                            | 99.64                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:27:16.778474 CET            | 8                              | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:27:25.952806 CET            | 149                            | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:27:25.952909 CET            | 30                             | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:31:35.137824 CET            | 195                            | 99.58                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:34:30.648779 CET            | 165                            | 99.55                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:38:40.402837 CET            | 150                            | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:38:40.518663 CET            | 103                            | 99.61                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:43:48.223944 CET            | 67                             | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 11:43:48.224087 CET            | 172                            | 99.6                        | EUR                                  | XETA                        |
|                          | 18-10-19 11:48:49.273286 CET            | 17                             | 99.56                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:48:49.273362 CET            | 179                            | 99.56                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:54:25.900209 CET            | 13                             | 99.57                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:55:47.952511 CET            | 194                            | 99.66                       | EUR                                  | XETA                        |
|                          | 18-10-19 11:58:11.92354 CET             | 170                            | 99.62                       | EUR                                  | XETA                        |
|                          | 18-10-19 12:07:23.796540 CET            | 167                            | 99.68                       | EUR                                  | XETA                        |
|                          | 18-10-19 12:10:04.134089 CET            | 125                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 12:10:20.119582 CET            | 125                            | 99.7                        | EUR                                  | XETA                        |
|                          | 18-10-19 12:10:32.483706 CET            | 203                            | 99.69                       | EUR                                  | XETA                        |

|                              |     |       |     |      |
|------------------------------|-----|-------|-----|------|
| 18-10-19 12:10:53.523870 CET | 219 | 99.69 | EUR | XETA |
| 18-10-19 12:11:12.358630 CET | 176 | 99.67 | EUR | XETA |
| 18-10-19 12:12:21.893928 CET | 303 | 99.68 | EUR | XETA |
| 18-10-19 12:13:12.65963 CET  | 216 | 99.7  | EUR | XETA |
| 18-10-19 12:20:41.366587 CET | 179 | 99.84 | EUR | XETA |
| 18-10-19 12:22:15.367770 CET | 129 | 99.75 | EUR | XETA |
| 18-10-19 12:22:15.367847 CET | 120 | 99.75 | EUR | XETA |
| 18-10-19 12:29:33.21502 CET  | 190 | 99.72 | EUR | XETA |
| 18-10-19 12:33:29.38096 CET  | 231 | 99.8  | EUR | XETA |
| 18-10-19 12:35:00.684830 CET | 166 | 99.8  | EUR | XETA |
| 18-10-19 12:45:48.585985 CET | 352 | 99.85 | EUR | XETA |
| 18-10-19 12:47:59.66001 CET  | 169 | 99.8  | EUR | XETA |
| 18-10-19 12:52:34.458927 CET | 168 | 99.74 | EUR | XETA |
| 18-10-19 12:54:42.210042 CET | 252 | 99.72 | EUR | XETA |
| 18-10-19 13:00:38.221311 CET | 27  | 99.66 | EUR | XETA |
| 18-10-19 13:00:38.222463 CET | 200 | 99.66 | EUR | XETA |
| 18-10-19 13:03:22.696654 CET | 140 | 99.63 | EUR | XETA |
| 18-10-19 13:14:14.69469 CET  | 215 | 99.68 | EUR | XETA |
| 18-10-19 13:15:04.639643 CET | 292 | 99.64 | EUR | XETA |
| 18-10-19 13:25:29.1745 CET   | 177 | 99.67 | EUR | XETA |
| 18-10-19 13:27:38.797819 CET | 273 | 99.68 | EUR | XETA |
| 18-10-19 13:30:32.884696 CET | 207 | 99.7  | EUR | XETA |
| 18-10-19 13:30:32.884766 CET | 59  | 99.7  | EUR | XETA |
| 18-10-19 13:34:58.227295 CET | 129 | 99.74 | EUR | XETA |
| 18-10-19 13:35:13.973414 CET | 195 | 99.74 | EUR | XETA |
| 18-10-19 13:39:18.467001 CET | 46  | 99.72 | EUR | XETA |
| 18-10-19 13:39:18.475975 CET | 83  | 99.72 | EUR | XETA |
| 18-10-19 13:39:18.490216 CET | 13  | 99.72 | EUR | XETA |
| 18-10-19 13:39:18.493413 CET | 57  | 99.72 | EUR | XETA |
| 18-10-19 13:41:55.620852 CET | 66  | 99.71 | EUR | XETA |
| 18-10-19 13:41:55.620951 CET | 18  | 99.71 | EUR | XETA |
| 18-10-19 13:41:55.632097 CET | 131 | 99.71 | EUR | XETA |
| 18-10-19 13:42:02.104693 CET | 189 | 99.67 | EUR | XETA |
| 18-10-19 13:45:00.789929 CET | 26  | 99.66 | EUR | XETA |
| 18-10-19 13:46:31.535457 CET | 255 | 99.71 | EUR | XETA |
| 18-10-19 13:48:11.264680 CET | 176 | 99.72 | EUR | XETA |
| 18-10-19 13:49:18.590167 CET | 206 | 99.7  | EUR | XETA |
| 18-10-19 13:53:47.869954 CET | 200 | 99.69 | EUR | XETA |
| 18-10-19 13:53:47.870010 CET | 38  | 99.69 | EUR | XETA |
| 18-10-19 13:54:21.386650 CET | 167 | 99.69 | EUR | XETA |
| 18-10-19 13:57:28.359884 CET | 168 | 99.71 | EUR | XETA |
| 18-10-19 13:59:30.79712 CET  | 258 | 99.71 | EUR | XETA |
| 18-10-19 14:00:07.268275 CET | 84  | 99.71 | EUR | XETA |
| 18-10-19 14:02:53.150787 CET | 62  | 99.69 | EUR | XETA |
| 18-10-19 14:02:53.150850 CET | 169 | 99.69 | EUR | XETA |
| 18-10-19 14:05:10.604649 CET | 178 | 99.68 | EUR | XETA |
| 18-10-19 14:09:42.830814 CET | 224 | 99.81 | EUR | XETA |
| 18-10-19 14:11:52.716585 CET | 300 | 99.79 | EUR | XETA |
| 18-10-19 14:11:52.716649 CET | 60  | 99.79 | EUR | XETA |
| 18-10-19 14:17:50.393116 CET | 240 | 99.79 | EUR | XETA |
| 18-10-19 14:17:50.533183 CET | 223 | 99.79 | EUR | XETA |
| 18-10-19 14:21:06.31573 CET  | 187 | 99.76 | EUR | XETA |
| 18-10-19 14:24:53.887286 CET | 252 | 99.76 | EUR | XETA |
| 18-10-19 14:27:30.34041 CET  | 168 | 99.64 | EUR | XETA |
| 18-10-19 14:30:48.586556 CET | 164 | 99.76 | EUR | XETA |
| 18-10-19 14:31:41.830307 CET | 187 | 99.77 | EUR | XETA |
| 18-10-19 14:34:45.681456 CET | 141 | 99.74 | EUR | XETA |
| 18-10-19 14:34:45.681521 CET | 80  | 99.74 | EUR | XETA |
| 18-10-19 14:35:16.738487 CET | 66  | 99.72 | EUR | XETA |
| 18-10-19 14:35:16.738537 CET | 65  | 99.72 | EUR | XETA |
| 18-10-19 14:35:16.738574 CET | 39  | 99.72 | EUR | XETA |
| 18-10-19 14:36:34.955328 CET | 246 | 99.79 | EUR | XETA |
| 18-10-19 14:39:03.604404 CET | 292 | 99.75 | EUR | XETA |
| 18-10-19 14:40:22.759571 CET | 221 | 99.72 | EUR | XETA |
| 18-10-19 14:43:39.259172 CET | 181 | 99.7  | EUR | XETA |
| 18-10-19 14:46:37.717168 CET | 199 | 99.72 | EUR | XETA |
| 18-10-19 14:46:54.297730 CET | 184 | 99.7  | EUR | XETA |
| 18-10-19 14:48:45.716487 CET | 184 | 99.81 | EUR | XETA |
| 18-10-19 14:51:19.311467 CET | 264 | 99.77 | EUR | XETA |
| 18-10-19 14:52:48.99936 CET  | 162 | 99.73 | EUR | XETA |
| 18-10-19 14:54:20.838507 CET | 395 | 99.69 | EUR | XETA |
| 18-10-19 14:59:01.46624 CET  | 459 | 99.69 | EUR | XETA |
| 18-10-19 15:00:16.756675 CET | 175 | 99.7  | EUR | XETA |
| 18-10-19 15:03:03.681297 CET | 42  | 99.74 | EUR | XETA |
| 18-10-19 15:03:03.681335 CET | 139 | 99.74 | EUR | XETA |
| 18-10-19 15:03:03.681428 CET | 78  | 99.74 | EUR | XETA |
| 18-10-19 15:06:25.769118 CET | 64  | 99.65 | EUR | XETA |
| 18-10-19 15:06:25.769188 CET | 284 | 99.65 | EUR | XETA |
| 18-10-19 15:10:37.680918 CET | 244 | 99.75 | EUR | XETA |
| 18-10-19 15:10:37.689804 CET | 84  | 99.75 | EUR | XETA |
| 18-10-19 15:13:01.348302 CET | 255 | 99.67 | EUR | XETA |
| 18-10-19 15:16:14.595985 CET | 207 | 99.57 | EUR | XETA |
| 18-10-19 15:20:13.425398 CET | 122 | 99.58 | EUR | XETA |
| 18-10-19 15:20:13.425440 CET | 70  | 99.58 | EUR | XETA |
| 18-10-19 15:23:08.713440 CET | 219 | 99.61 | EUR | XETA |
| 18-10-19 15:24:09.472903 CET | 414 | 99.52 | EUR | XETA |
| 18-10-19 15:29:11.262955 CET | 242 | 99.51 | EUR | XETA |
| 18-10-19 15:30:16.8326 CET   | 216 | 99.51 | EUR | XETA |
| 18-10-19 15:32:02.762739 CET | 218 | 99.46 | EUR | XETA |
| 18-10-19 15:33:48.198485 CET | 177 | 99.31 | EUR | XETA |
| 18-10-19 15:34:52.777722 CET | 173 | 99.3  | EUR | XETA |
| 18-10-19 15:37:57.208636 CET | 238 | 99.37 | EUR | XETA |
| 18-10-19 15:40:16.141273 CET | 174 | 99.34 | EUR | XETA |
| 18-10-19 15:42:35.89758 CET  | 230 | 99.34 | EUR | XETA |
| 18-10-19 15:42:58.871797 CET | 194 | 99.33 | EUR | XETA |
| 18-10-19 15:45:44.399296 CET | 115 | 99.37 | EUR | XETA |
| 18-10-19 15:45:44.399371 CET | 84  | 99.37 | EUR | XETA |
| 18-10-19 15:47:59.566767 CET | 302 | 99.42 | EUR | XETA |
| 18-10-19 15:50:43.309957 CET | 217 | 99.49 | EUR | XETA |
| 18-10-19 15:51:55.900419 CET | 169 | 99.48 | EUR | XETA |
| 18-10-19 15:54:40.562218 CET | 216 | 99.53 | EUR | XETA |
| 18-10-19 15:56:29.492359 CET | 178 | 99.58 | EUR | XETA |
| 18-10-19 16:00:03.847713 CET | 196 | 99.63 | EUR | XETA |
| 18-10-19 16:01:07.32023 CET  | 164 | 99.6  | EUR | XETA |
| 18-10-19 16:01:47.111163 CET | 178 | 99.59 | EUR | XETA |
| 18-10-19 16:01:47.111260 CET | 1   | 99.59 | EUR | XETA |
| 18-10-19 16:05:00.912763 CET | 128 | 99.56 | EUR | XETA |
| 18-10-19 16:05:00.912894 CET | 130 | 99.56 | EUR | XETA |
| 18-10-19 16:09:59.621390 CET | 168 | 99.67 | EUR | XETA |
| 18-10-19 16:12:38.669299 CET | 217 | 99.8  | EUR | XETA |
| 18-10-19 16:15:32.50089 CET  | 59  | 99.77 | EUR | XETA |

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| 18-10-19 16:15:35.115301 CET | 232 | 99.77 | EUR | XETA |
| 18-10-19 16:18:22.606196 CET | 112 | 99.78 | EUR | XETA |
| 18-10-19 16:18:33.47984 CET  | 86  | 99.76 | EUR | XETA |

Each order relating to the buy-back programme above according to Art. 5 sec. 3 MAR in conjunction with Art. 25 sec. 1 and 2 MIFIR

In red colour are the fields according to Table 2 of the Annex of Del. Regulation (EU) 2017/580; alternatively you may report the

| Date and Time according to field 9 | Segment MIC code according to field 16 | Transaction price according to field 28 | Price currency according to field 29 | Buy-sell indicator according to field 32 |
|------------------------------------|--|---|--------------------------------------|--|
| 18-10-19 08:28:20.967734 CET       | XETA                                   | 99.39                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:28:20.967734 CET       | XETA                                   | 99.39                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:31:06.495494 CET       | XETA                                   | 99.45                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:34:07.201386 CET       | XETA                                   | 99.52                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:34:07.201386 CET       | XETA                                   | 99.52                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:35:54.112948 CET       | XETA                                   | 99.51                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:40:27.586835 CET       | XETA                                   | 99.37                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:44:55.30056 CET        | XETA                                   | 99.42                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:45:28.829535 CET       | XETA                                   | 99.43                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:49:11.849628 CET       | XETA                                   | 99.47                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:54:04.470844 CET       | XETA                                   | 99.39                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:57:57.581407 CET       | XETA                                   | 99.56                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:59:45.945852 CET       | XETA                                   | 99.48                                   | EUR                                  | BUYI                                     |
| 18-10-19 08:59:45.945852 CET       | XETA                                   | 99.48                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:04:51.297782 CET       | XETA                                   | 99.44                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:06:47.942402 CET       | XETA                                   | 99.48                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:10:19.241922 CET       | XETA                                   | 99.52                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:13:11.156469 CET       | XETA                                   | 99.46                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:13:11.156469 CET       | XETA                                   | 99.46                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:22:00.243522 CET       | XETA                                   | 99.55                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:22:00.243522 CET       | XETA                                   | 99.55                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:22:00.243522 CET       | XETA                                   | 99.55                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:30:01.566176 CET       | XETA                                   | 99.52                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:30:01.566176 CET       | XETA                                   | 99.52                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:31:50.483188 CET       | XETA                                   | 99.53                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:31:53.303999 CET       | XETA                                   | 99.5                                    | EUR                                  | BUYI                                     |
| 18-10-19 09:39:46.723678 CET       | XETA                                   | 99.54                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:43:24.359323 CET       | XETA                                   | 99.64                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:46:24.532786 CET       | XETA                                   | 99.72                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:48:04.388855 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 09:53:02.269561 CET       | XETA                                   | 99.78                                   | EUR                                  | BUYI                                     |
| 18-10-19 09:53:02.269561 CET       | XETA                                   | 99.78                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:01:20.567547 CET       | XETA                                   | 99.82                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:03:38.669828 CET       | XETA                                   | 99.79                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:03:38.669828 CET       | XETA                                   | 99.79                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:04:53.335780 CET       | XETA                                   | 99.78                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:07:17.117632 CET       | XETA                                   | 99.76                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:10:02.433068 CET       | XETA                                   | 99.75                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:13:39.17829 CET        | XETA                                   | 99.64                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:17:17.318987 CET       | XETA                                   | 99.57                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:21:54.483651 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:21:54.483651 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:24:27.661589 CET       | XETA                                   | 99.59                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:24:27.661589 CET       | XETA                                   | 99.59                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:30:13.265708 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:32:57.140354 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:32:57.140354 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:32:57.140354 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:39:02.496442 CET       | XETA                                   | 99.86                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:40:18.641203 CET       | XETA                                   | 99.87                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:46:14.288335 CET       | XETA                                   | 99.79                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:48:48.435408 CET       | XETA                                   | 99.77                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:50:14.710272 CET       | XETA                                   | 99.68                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:50:29.651525 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:50:39.295405 CET       | XETA                                   | 99.69                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:51:12.338023 CET       | XETA                                   | 99.73                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:52:02.947534 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:52:02.947534 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:52:14.406923 CET       | XETA                                   | 99.71                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:53:10.393528 CET       | XETA                                   | 99.72                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:53:28.224799 CET       | XETA                                   | 99.71                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:54:29.571056 CET       | XETA                                   | 99.65                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:54:44.306316 CET       | XETA                                   | 99.64                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:54:58.608165 CET       | XETA                                   | 99.58                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:55:58.663464 CET       | XETA                                   | 99.57                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:56:59.613162 CET       | XETA                                   | 99.5                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:57:28.800440 CET       | XETA                                   | 99.5                                    | EUR                                  | BUYI                                     |
| 18-10-19 10:58:06.406287 CET       | XETA                                   | 99.49                                   | EUR                                  | BUYI                                     |
| 18-10-19 10:58:59.759726 CET       | XETA                                   | 99.52                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:04:02.992933 CET       | XETA                                   | 99.57                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:06:41.94606 CET        | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:06:41.94606 CET        | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:11:10.541924 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 11:11:10.541924 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 11:18:59.657463 CET       | XETA                                   | 99.64                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:19:45.533148 CET       | XETA                                   | 99.65                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:19:45.533148 CET       | XETA                                   | 99.65                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:19:47.482541 CET       | XETA                                   | 99.65                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:19:47.482541 CET       | XETA                                   | 99.65                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:21:44.244799 CET       | XETA                                   | 99.64                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:21:44.244799 CET       | XETA                                   | 99.64                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:27:16.254486 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:27:16.254486 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:27:16.254486 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:31:35.131202 CET       | XETA                                   | 99.58                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:34:29.813537 CET       | XETA                                   | 99.55                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:38:40.396765 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:38:40.396765 CET       | XETA                                   | 99.61                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:43:40.634506 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 11:43:40.634506 CET       | XETA                                   | 99.6                                    | EUR                                  | BUYI                                     |
| 18-10-19 11:48:18.700877 CET       | XETA                                   | 99.56                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:48:18.700877 CET       | XETA                                   | 99.56                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:54:06.346919 CET       | XETA                                   | 99.57                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:55:10.836806 CET       | XETA                                   | 99.66                                   | EUR                                  | BUYI                                     |
| 18-10-19 11:57:18.577707 CET       | XETA                                   | 99.62                                   | EUR                                  | BUYI                                     |
| 18-10-19 12:07:19.118160 CET       | XETA                                   | 99.68                                   | EUR                                  | BUYI                                     |
| 18-10-19 12:10:04.128243 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 12:10:20.113859 CET       | XETA                                   | 99.7                                    | EUR                                  | BUYI                                     |
| 18-10-19 12:10:31.424991 CET       | XETA                                   | 99.69                                   | EUR                                  | BUYI                                     |

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| 18-10-19 12:10:43.293510 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 12:11:03.534076 CET | XETA | 99.67 | EUR | BUYI |
| 18-10-19 12:12:13.275013 CET | XETA | 99.68 | EUR | BUYI |
| 18-10-19 12:13:09.429844 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 12:20:41.360848 CET | XETA | 99.84 | EUR | BUYI |
| 18-10-19 12:22:12.816856 CET | XETA | 99.75 | EUR | BUYI |
| 18-10-19 12:22:12.816856 CET | XETA | 99.75 | EUR | BUYI |
| 18-10-19 12:29:19.915344 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 12:33:24.643854 CET | XETA | 99.8  | EUR | BUYI |
| 18-10-19 12:34:44.166680 CET | XETA | 99.8  | EUR | BUYI |
| 18-10-19 12:45:42.39632 CET  | XETA | 99.85 | EUR | BUYI |
| 18-10-19 12:47:46.454673 CET | XETA | 99.8  | EUR | BUYI |
| 18-10-19 12:52:21.340764 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 12:54:27.513019 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 13:00:36.306051 CET | XETA | 99.66 | EUR | BUYI |
| 18-10-19 13:00:36.306051 CET | XETA | 99.66 | EUR | BUYI |
| 18-10-19 13:03:22.690866 CET | XETA | 99.63 | EUR | BUYI |
| 18-10-19 13:14:13.361631 CET | XETA | 99.68 | EUR | BUYI |
| 18-10-19 13:14:55.487891 CET | XETA | 99.64 | EUR | BUYI |
| 18-10-19 13:25:28.326264 CET | XETA | 99.67 | EUR | BUYI |
| 18-10-19 13:27:34.48270 CET  | XETA | 99.68 | EUR | BUYI |
| 18-10-19 13:30:28.863277 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 13:30:28.863277 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 13:34:56.831359 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 13:35:03.414859 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 13:39:02.240624 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 13:39:02.240624 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 13:39:02.240624 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 13:39:02.240624 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 13:40:41.447159 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 13:40:41.447159 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 13:40:41.447159 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 13:42:00.201819 CET | XETA | 99.67 | EUR | BUYI |
| 18-10-19 13:44:57.882921 CET | XETA | 99.66 | EUR | BUYI |
| 18-10-19 13:46:23.452779 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 13:47:55.592406 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 13:49:18.584367 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 13:53:28.405591 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 13:53:28.405591 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 13:54:11.534645 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 13:57:17.639461 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 13:58:44.307776 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 14:00:07.200401 CET | XETA | 99.71 | EUR | BUYI |
| 18-10-19 14:02:51.235701 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 14:02:51.235701 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 14:05:10.594050 CET | XETA | 99.68 | EUR | BUYI |
| 18-10-19 14:09:42.820481 CET | XETA | 99.81 | EUR | BUYI |
| 18-10-19 14:11:45.769014 CET | XETA | 99.79 | EUR | BUYI |
| 18-10-19 14:11:45.769014 CET | XETA | 99.79 | EUR | BUYI |
| 18-10-19 14:17:42.503466 CET | XETA | 99.79 | EUR | BUYI |
| 18-10-19 14:17:50.527360 CET | XETA | 99.79 | EUR | BUYI |
| 18-10-19 14:20:54.486748 CET | XETA | 99.76 | EUR | BUYI |
| 18-10-19 14:24:21.204481 CET | XETA | 99.76 | EUR | BUYI |
| 18-10-19 14:27:27.666875 CET | XETA | 99.64 | EUR | BUYI |
| 18-10-19 14:30:40.573931 CET | XETA | 99.76 | EUR | BUYI |
| 18-10-19 14:31:26.654675 CET | XETA | 99.77 | EUR | BUYI |
| 18-10-19 14:34:44.429957 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 14:34:44.429957 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 14:35:12.909317 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 14:35:12.909317 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 14:35:12.909317 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 14:36:27.853681 CET | XETA | 99.79 | EUR | BUYI |
| 18-10-19 14:38:52.222726 CET | XETA | 99.75 | EUR | BUYI |
| 18-10-19 14:40:07.63548 CET  | XETA | 99.72 | EUR | BUYI |
| 18-10-19 14:43:39.252399 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 14:46:17.829587 CET | XETA | 99.72 | EUR | BUYI |
| 18-10-19 14:46:53.353498 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 14:48:37.498293 CET | XETA | 99.81 | EUR | BUYI |
| 18-10-19 14:51:17.859971 CET | XETA | 99.77 | EUR | BUYI |
| 18-10-19 14:52:40.941352 CET | XETA | 99.73 | EUR | BUYI |
| 18-10-19 14:54:11.179720 CET | XETA | 99.69 | EUR | BUYI |
| 18-10-19 14:58:50.79065 CET  | XETA | 99.69 | EUR | BUYI |
| 18-10-19 15:00:15.772803 CET | XETA | 99.7  | EUR | BUYI |
| 18-10-19 15:02:56.818824 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 15:02:56.818824 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 15:02:56.818824 CET | XETA | 99.74 | EUR | BUYI |
| 18-10-19 15:06:16.104275 CET | XETA | 99.65 | EUR | BUYI |
| 18-10-19 15:06:16.104275 CET | XETA | 99.65 | EUR | BUYI |
| 18-10-19 15:10:32.831946 CET | XETA | 99.75 | EUR | BUYI |
| 18-10-19 15:10:32.831946 CET | XETA | 99.75 | EUR | BUYI |
| 18-10-19 15:12:49.808021 CET | XETA | 99.67 | EUR | BUYI |
| 18-10-19 15:16:14.590241 CET | XETA | 99.57 | EUR | BUYI |
| 18-10-19 15:20:09.320459 CET | XETA | 99.58 | EUR | BUYI |
| 18-10-19 15:20:09.320459 CET | XETA | 99.58 | EUR | BUYI |
| 18-10-19 15:23:08.285403 CET | XETA | 99.61 | EUR | BUYI |
| 18-10-19 15:24:07.819695 CET | XETA | 99.52 | EUR | BUYI |
| 18-10-19 15:29:05.406184 CET | XETA | 99.51 | EUR | BUYI |
| 18-10-19 15:30:09.306097 CET | XETA | 99.51 | EUR | BUYI |
| 18-10-19 15:31:59.609234 CET | XETA | 99.46 | EUR | BUYI |
| 18-10-19 15:33:44.601876 CET | XETA | 99.31 | EUR | BUYI |
| 18-10-19 15:34:46.332649 CET | XETA | 99.3  | EUR | BUYI |
| 18-10-19 15:37:39.213777 CET | XETA | 99.37 | EUR | BUYI |
| 18-10-19 15:40:15.419083 CET | XETA | 99.34 | EUR | BUYI |
| 18-10-19 15:42:34.23796 CET  | XETA | 99.34 | EUR | BUYI |
| 18-10-19 15:42:52.601232 CET | XETA | 99.33 | EUR | BUYI |
| 18-10-19 15:45:37.336015 CET | XETA | 99.37 | EUR | BUYI |
| 18-10-19 15:45:37.336015 CET | XETA | 99.37 | EUR | BUYI |
| 18-10-19 15:47:54.888288 CET | XETA | 99.42 | EUR | BUYI |
| 18-10-19 15:50:38.30578 CET  | XETA | 99.49 | EUR | BUYI |
| 18-10-19 15:51:55.797544 CET | XETA | 99.48 | EUR | BUYI |
| 18-10-19 15:54:25.41871 CET  | XETA | 99.53 | EUR | BUYI |
| 18-10-19 15:56:26.14152 CET  | XETA | 99.58 | EUR | BUYI |
| 18-10-19 16:00:02.949961 CET | XETA | 99.63 | EUR | BUYI |
| 18-10-19 16:00:55.718169 CET | XETA | 99.6  | EUR | BUYI |
| 18-10-19 16:01:40.882269 CET | XETA | 99.59 | EUR | BUYI |
| 18-10-19 16:01:40.882269 CET | XETA | 99.59 | EUR | BUYI |
| 18-10-19 16:05:00.167384 CET | XETA | 99.56 | EUR | BUYI |
| 18-10-19 16:05:00.167384 CET | XETA | 99.56 | EUR | BUYI |
| 18-10-19 16:09:56.336191 CET | XETA | 99.67 | EUR | BUYI |
| 18-10-19 16:12:32.444638 CET | XETA | 99.8  | EUR | BUYI |
| 18-10-19 16:15:29.747142 CET | XETA | 99.77 | EUR | BUYI |

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| 18-10-19 16:15:29.747142 CET | XETA | 99.77 | EUR | BUYI |
| 18-10-19 16:18:22.600534 CET | XETA | 99.78 | EUR | BUYI |
| 18-10-19 16:18:33.42116 CET  | XETA | 99.76 | EUR | BUYI |