

Date: 07/12/2016

Total number of shares purchased:	148,047
Average price paid per share:	1,490.91 pence
Highest price paid per share:	1,495 pence
Lowest price paid per share:	1,475 pence

Total number of shares purchased according to trading venues:

Venue	#of shares	Average price per share
LSE	148,047	1,490.91 pence

Individual trade details:

<u>Price (pence)</u>	<u>Date</u>	<u>Time</u>	<u>Trading venue</u>	<u>Quantity</u>
1,478	07/12/2016	08:50:14	LSE	78
1,478	07/12/2016	08:50:14	LSE	292
1,478	07/12/2016	08:51:12	LSE	435
1,478	07/12/2016	08:51:20	LSE	485
1,478	07/12/2016	08:51:55	LSE	419
1,478	07/12/2016	08:51:55	LSE	145
1,478	07/12/2016	08:51:55	LSE	68
1,476	07/12/2016	08:53:26	LSE	281
1,476	07/12/2016	08:53:26	LSE	76
1,476	07/12/2016	08:53:32	LSE	992
1,476	07/12/2016	08:53:32	LSE	500
1,476	07/12/2016	08:53:32	LSE	500
1,476	07/12/2016	08:53:32	LSE	13
1,477	07/12/2016	08:54:16	LSE	500
1,477	07/12/2016	08:54:16	LSE	337
1,476	07/12/2016	08:54:19	LSE	377
1,477	07/12/2016	08:54:28	LSE	173
1,477	07/12/2016	08:54:28	LSE	500
1,477	07/12/2016	08:54:28	LSE	256
1,477	07/12/2016	08:54:28	LSE	213
1,478	07/12/2016	08:54:37	LSE	203
1,479	07/12/2016	08:55:56	LSE	288
1,479	07/12/2016	08:55:56	LSE	143
1,479	07/12/2016	08:55:56	LSE	54
1,480	07/12/2016	08:57:22	LSE	500
1,480	07/12/2016	08:57:22	LSE	533
1,480	07/12/2016	08:57:23	LSE	150
1,479	07/12/2016	08:57:35	LSE	217
1,479	07/12/2016	08:57:35	LSE	625
1,481	07/12/2016	08:59:54	LSE	178
1,481	07/12/2016	08:59:54	LSE	427
1,480	07/12/2016	09:00:33	LSE	344
1,480	07/12/2016	09:00:33	LSE	559
1,480	07/12/2016	09:00:50	LSE	189

1,481	07/12/2016	09:01:14	LSE	189
1,481	07/12/2016	09:01:41	LSE	307
1,480	07/12/2016	09:02:09	LSE	42
1,480	07/12/2016	09:02:13	LSE	355
1,480	07/12/2016	09:02:13	LSE	500
1,479	07/12/2016	09:02:38	LSE	87
1,480	07/12/2016	09:02:56	LSE	275
1,480	07/12/2016	09:02:56	LSE	500
1,480	07/12/2016	09:02:56	LSE	500
1,480	07/12/2016	09:02:56	LSE	500
1,480	07/12/2016	09:02:56	LSE	282
1,480	07/12/2016	09:02:56	LSE	218
1,479	07/12/2016	09:03:08	LSE	916
1,479	07/12/2016	09:03:37	LSE	263
1,479	07/12/2016	09:03:37	LSE	227
1,481	07/12/2016	09:05:43	LSE	561
1,481	07/12/2016	09:05:43	LSE	442
1,482	07/12/2016	09:06:04	LSE	295
1,482	07/12/2016	09:06:04	LSE	567
1,482	07/12/2016	09:06:04	LSE	153
1,483	07/12/2016	09:07:11	LSE	600
1,483	07/12/2016	09:07:49	LSE	168
1,484	07/12/2016	09:08:49	LSE	394
1,484	07/12/2016	09:08:49	LSE	297
1,484	07/12/2016	09:09:28	LSE	171
1,484	07/12/2016	09:09:28	LSE	169
1,484	07/12/2016	09:09:28	LSE	331
1,484	07/12/2016	09:09:28	LSE	500
1,484	07/12/2016	09:09:28	LSE	19
1,483	07/12/2016	09:09:43	LSE	197
1,484	07/12/2016	09:10:20	LSE	500
1,485	07/12/2016	09:10:54	LSE	425
1,485	07/12/2016	09:11:37	LSE	511
1,485	07/12/2016	09:11:37	LSE	500
1,485	07/12/2016	09:11:53	LSE	182
1,485	07/12/2016	09:11:53	LSE	90
1,486	07/12/2016	09:12:14	LSE	325
1,486	07/12/2016	09:12:14	LSE	282
1,486	07/12/2016	09:12:55	LSE	260
1,486	07/12/2016	09:12:55	LSE	33
1,485	07/12/2016	09:13:16	LSE	500
1,485	07/12/2016	09:13:16	LSE	153
1,485	07/12/2016	09:13:17	LSE	51
1,484	07/12/2016	09:13:56	LSE	141
1,484	07/12/2016	09:13:57	LSE	530
1,484	07/12/2016	09:14:34	LSE	251
1,484	07/12/2016	09:14:43	LSE	500
1,484	07/12/2016	09:15:26	LSE	500
1,483	07/12/2016	09:16:09	LSE	144
1,484	07/12/2016	09:16:59	LSE	500
1,484	07/12/2016	09:16:59	LSE	500
1,484	07/12/2016	09:17:07	LSE	232
1,483	07/12/2016	09:17:09	LSE	450
1,483	07/12/2016	09:17:19	LSE	390

1,483	07/12/2016	09:17:19	LSE	156
1,486	07/12/2016	09:19:12	LSE	500
1,486	07/12/2016	09:19:12	LSE	87
1,485	07/12/2016	09:20:10	LSE	18
1,485	07/12/2016	09:20:10	LSE	221
1,486	07/12/2016	09:21:12	LSE	366
1,486	07/12/2016	09:22:39	LSE	466
1,486	07/12/2016	09:22:39	LSE	331
1,485	07/12/2016	09:23:01	LSE	778
1,486	07/12/2016	09:23:58	LSE	315
1,486	07/12/2016	09:23:58	LSE	184
1,487	07/12/2016	09:24:10	LSE	382
1,487	07/12/2016	09:24:14	LSE	233
1,487	07/12/2016	09:24:15	LSE	599
1,488	07/12/2016	09:26:41	LSE	210
1,488	07/12/2016	09:26:50	LSE	154
1,488	07/12/2016	09:26:50	LSE	65
1,489	07/12/2016	09:27:12	LSE	500
1,490	07/12/2016	09:27:18	LSE	179
1,490	07/12/2016	09:27:18	LSE	103
1,489	07/12/2016	09:27:39	LSE	178
1,489	07/12/2016	09:27:39	LSE	500
1,489	07/12/2016	09:27:40	LSE	222
1,489	07/12/2016	09:27:47	LSE	67
1,489	07/12/2016	09:28:57	LSE	135
1,489	07/12/2016	09:28:57	LSE	800
1,489	07/12/2016	09:28:57	LSE	64
1,490	07/12/2016	09:31:31	LSE	31
1,490	07/12/2016	09:31:31	LSE	531
1,489	07/12/2016	09:31:48	LSE	862
1,489	07/12/2016	09:31:51	LSE	206
1,489	07/12/2016	09:32:08	LSE	69
1,490	07/12/2016	09:32:18	LSE	179
1,490	07/12/2016	09:32:18	LSE	108
1,490	07/12/2016	09:32:18	LSE	500
1,490	07/12/2016	09:32:18	LSE	3
1,490	07/12/2016	09:32:36	LSE	286
1,489	07/12/2016	09:32:54	LSE	483
1,489	07/12/2016	09:34:21	LSE	155
1,489	07/12/2016	09:35:49	LSE	500
1,488	07/12/2016	09:36:01	LSE	248
1,489	07/12/2016	09:36:53	LSE	352
1,490	07/12/2016	09:38:03	LSE	497
1,490	07/12/2016	09:43:19	LSE	56
1,490	07/12/2016	09:44:51	LSE	453
1,489	07/12/2016	09:45:46	LSE	217
1,489	07/12/2016	09:45:46	LSE	376
1,489	07/12/2016	09:45:54	LSE	500
1,488	07/12/2016	09:47:08	LSE	239
1,488	07/12/2016	09:47:08	LSE	281
1,487	07/12/2016	09:48:17	LSE	640
1,487	07/12/2016	09:48:17	LSE	271
1,488	07/12/2016	09:51:21	LSE	408
1,488	07/12/2016	09:51:21	LSE	55

1,488	07/12/2016	09:51:21	LSE	169
1,488	07/12/2016	09:53:20	LSE	174
1,488	07/12/2016	09:53:50	LSE	178
1,488	07/12/2016	09:53:50	LSE	140
1,488	07/12/2016	09:54:24	LSE	52
1,490	07/12/2016	09:56:43	LSE	196
1,490	07/12/2016	09:56:43	LSE	701
1,490	07/12/2016	10:02:27	LSE	564
1,489	07/12/2016	10:04:55	LSE	209
1,495	07/12/2016	13:05:20	LSE	582
1,495	07/12/2016	13:05:20	LSE	550
1,495	07/12/2016	13:05:20	LSE	500
1,495	07/12/2016	13:05:20	LSE	250
1,495	07/12/2016	13:05:20	LSE	372
1,495	07/12/2016	13:05:20	LSE	600
1,495	07/12/2016	13:05:20	LSE	1,216
1,495	07/12/2016	13:05:20	LSE	600
1,495	07/12/2016	13:05:20	LSE	365
1,495	07/12/2016	13:05:20	LSE	319
1,494	07/12/2016	13:06:59	LSE	195
1,494	07/12/2016	13:06:59	LSE	200
1,494	07/12/2016	13:08:34	LSE	285
1,494	07/12/2016	13:08:34	LSE	250
1,494	07/12/2016	13:08:34	LSE	181
1,494	07/12/2016	13:11:14	LSE	96
1,494	07/12/2016	13:11:16	LSE	18
1,494	07/12/2016	13:11:16	LSE	550
1,494	07/12/2016	13:11:16	LSE	277
1,495	07/12/2016	13:12:59	LSE	468
1,495	07/12/2016	13:14:43	LSE	263
1,495	07/12/2016	13:14:43	LSE	442
1,495	07/12/2016	13:32:08	LSE	15
1,495	07/12/2016	13:32:08	LSE	367
1,495	07/12/2016	13:34:14	LSE	66
1,495	07/12/2016	13:34:14	LSE	354
1,494	07/12/2016	13:34:31	LSE	647
1,494	07/12/2016	13:34:31	LSE	500
1,495	07/12/2016	13:36:14	LSE	259
1,495	07/12/2016	13:36:14	LSE	241
1,495	07/12/2016	13:45:28	LSE	145
1,495	07/12/2016	13:45:28	LSE	680
1,495	07/12/2016	13:47:57	LSE	34
1,495	07/12/2016	13:47:57	LSE	500
1,495	07/12/2016	13:47:57	LSE	195
1,495	07/12/2016	13:47:57	LSE	19
1,495	07/12/2016	13:49:57	LSE	464
1,495	07/12/2016	13:56:43	LSE	164
1,495	07/12/2016	13:56:43	LSE	313
1,495	07/12/2016	14:29:41	LSE	408
1,495	07/12/2016	14:29:41	LSE	600
1,495	07/12/2016	14:29:41	LSE	659
1,495	07/12/2016	14:29:41	LSE	585
1,495	07/12/2016	14:31:14	LSE	500
1,495	07/12/2016	14:31:14	LSE	99

1,495	07/12/2016	14:31:14	LSE	401
1,495	07/12/2016	14:31:14	LSE	94
1,493	07/12/2016	14:31:17	LSE	114
1,493	07/12/2016	14:31:17	LSE	500
1,493	07/12/2016	14:31:17	LSE	774
1,493	07/12/2016	14:31:17	LSE	139
1,493	07/12/2016	14:31:17	LSE	808
1,493	07/12/2016	14:31:17	LSE	321
1,493	07/12/2016	14:31:17	LSE	708
1,493	07/12/2016	14:31:17	LSE	208
1,494	07/12/2016	14:31:35	LSE	387
1,494	07/12/2016	14:31:35	LSE	540
1,494	07/12/2016	14:31:35	LSE	8
1,494	07/12/2016	14:31:35	LSE	155
1,494	07/12/2016	14:32:04	LSE	500
1,494	07/12/2016	14:32:10	LSE	600
1,494	07/12/2016	14:32:10	LSE	216
1,494	07/12/2016	14:33:24	LSE	176
1,494	07/12/2016	14:33:24	LSE	243
1,493	07/12/2016	14:33:41	LSE	633
1,493	07/12/2016	14:33:41	LSE	150
1,493	07/12/2016	14:33:41	LSE	227
1,493	07/12/2016	14:35:28	LSE	584
1,493	07/12/2016	14:35:28	LSE	398
1,493	07/12/2016	14:35:28	LSE	246
1,493	07/12/2016	14:35:52	LSE	527
1,494	07/12/2016	14:36:06	LSE	533
1,494	07/12/2016	14:36:06	LSE	500
1,494	07/12/2016	14:36:06	LSE	396
1,494	07/12/2016	14:36:09	LSE	479
1,494	07/12/2016	14:36:21	LSE	500
1,494	07/12/2016	14:36:21	LSE	105
1,493	07/12/2016	14:37:19	LSE	213
1,494	07/12/2016	14:38:11	LSE	375
1,494	07/12/2016	14:38:11	LSE	7
1,493	07/12/2016	14:39:08	LSE	398
1,494	07/12/2016	14:39:33	LSE	216
1,494	07/12/2016	14:39:33	LSE	258
1,495	07/12/2016	14:42:16	LSE	259
1,495	07/12/2016	14:42:16	LSE	538
1,495	07/12/2016	14:42:16	LSE	324
1,495	07/12/2016	14:42:16	LSE	316
1,494	07/12/2016	14:44:25	LSE	575
1,494	07/12/2016	14:45:20	LSE	50
1,494	07/12/2016	14:45:21	LSE	195
1,494	07/12/2016	14:45:32	LSE	213
1,495	07/12/2016	14:45:33	LSE	305
1,495	07/12/2016	14:45:33	LSE	2
1,495	07/12/2016	14:46:05	LSE	300
1,495	07/12/2016	14:46:28	LSE	11
1,495	07/12/2016	14:49:49	LSE	476
1,495	07/12/2016	14:49:49	LSE	54
1,495	07/12/2016	14:49:49	LSE	216
1,495	07/12/2016	14:49:49	LSE	311

1,495	07/12/2016	14:49:49	LSE	216
1,495	07/12/2016	14:49:49	LSE	195
1,495	07/12/2016	14:49:49	LSE	500
1,495	07/12/2016	14:49:49	LSE	220
1,495	07/12/2016	14:49:49	LSE	550
1,495	07/12/2016	14:49:49	LSE	1,790
1,495	07/12/2016	14:49:49	LSE	500
1,495	07/12/2016	14:49:49	LSE	500
1,495	07/12/2016	14:49:49	LSE	29
1,495	07/12/2016	14:49:49	LSE	527
1,495	07/12/2016	14:50:27	LSE	500
1,495	07/12/2016	14:50:27	LSE	600
1,495	07/12/2016	14:50:27	LSE	600
1,495	07/12/2016	14:50:27	LSE	4
1,495	07/12/2016	14:50:32	LSE	500
1,495	07/12/2016	14:50:32	LSE	500
1,495	07/12/2016	14:50:32	LSE	537
1,495	07/12/2016	14:50:32	LSE	152
1,495	07/12/2016	14:50:49	LSE	348
1,495	07/12/2016	14:51:30	LSE	742
1,495	07/12/2016	15:35:21	LSE	478
1,495	07/12/2016	15:35:43	LSE	455
1,495	07/12/2016	15:36:11	LSE	577
1,495	07/12/2016	15:36:11	LSE	298
1,495	07/12/2016	15:36:11	LSE	13
1,494	07/12/2016	15:36:30	LSE	198
1,494	07/12/2016	15:36:30	LSE	480
1,494	07/12/2016	15:36:31	LSE	234
1,495	07/12/2016	15:38:19	LSE	564
1,495	07/12/2016	15:38:19	LSE	741
1,495	07/12/2016	15:38:24	LSE	500
1,495	07/12/2016	15:38:24	LSE	383
1,495	07/12/2016	15:38:58	LSE	144
1,495	07/12/2016	15:38:58	LSE	202
1,495	07/12/2016	15:38:58	LSE	126
1,495	07/12/2016	15:38:58	LSE	165
1,495	07/12/2016	15:40:17	LSE	316
1,495	07/12/2016	15:40:31	LSE	152
1,495	07/12/2016	15:40:31	LSE	276
1,495	07/12/2016	15:40:44	LSE	363
1,495	07/12/2016	15:41:38	LSE	33
1,495	07/12/2016	15:41:38	LSE	338
1,495	07/12/2016	15:41:38	LSE	8
1,495	07/12/2016	15:42:31	LSE	386
1,495	07/12/2016	15:42:36	LSE	600
1,495	07/12/2016	15:42:36	LSE	552
1,495	07/12/2016	15:43:23	LSE	256
1,495	07/12/2016	15:43:23	LSE	99
1,495	07/12/2016	15:44:14	LSE	381
1,494	07/12/2016	15:44:31	LSE	211
1,494	07/12/2016	15:44:31	LSE	600
1,494	07/12/2016	15:44:31	LSE	1,000
1,494	07/12/2016	15:44:31	LSE	470
1,494	07/12/2016	15:44:31	LSE	30

1,494	07/12/2016	15:44:31	LSE	384
1,492	07/12/2016	15:44:52	LSE	259
1,492	07/12/2016	15:44:52	LSE	187
1,493	07/12/2016	15:45:26	LSE	500
1,493	07/12/2016	15:45:26	LSE	600
1,493	07/12/2016	15:46:48	LSE	500
1,493	07/12/2016	15:46:48	LSE	550
1,493	07/12/2016	15:46:49	LSE	570
1,494	07/12/2016	15:47:14	LSE	46
1,494	07/12/2016	15:47:14	LSE	460
1,494	07/12/2016	15:47:14	LSE	276
1,494	07/12/2016	15:47:38	LSE	470
1,494	07/12/2016	15:47:38	LSE	500
1,494	07/12/2016	15:47:38	LSE	554
1,494	07/12/2016	15:47:38	LSE	600
1,494	07/12/2016	15:47:38	LSE	490
1,494	07/12/2016	15:47:38	LSE	297
1,494	07/12/2016	15:47:52	LSE	571
1,494	07/12/2016	15:47:52	LSE	500
1,494	07/12/2016	15:47:52	LSE	240
1,493	07/12/2016	15:49:41	LSE	235
1,493	07/12/2016	15:49:41	LSE	691
1,493	07/12/2016	15:49:41	LSE	465
1,493	07/12/2016	15:49:49	LSE	311
1,493	07/12/2016	15:50:11	LSE	204
1,493	07/12/2016	15:50:11	LSE	113
1,493	07/12/2016	15:50:11	LSE	309
1,493	07/12/2016	15:50:11	LSE	96
1,492	07/12/2016	15:50:32	LSE	59
1,492	07/12/2016	15:50:32	LSE	500
1,492	07/12/2016	15:50:32	LSE	120
1,492	07/12/2016	15:50:32	LSE	1,661
1,492	07/12/2016	15:50:32	LSE	503
1,492	07/12/2016	15:52:34	LSE	153
1,492	07/12/2016	15:52:34	LSE	382
1,492	07/12/2016	15:53:08	LSE	439
1,494	07/12/2016	15:53:21	LSE	422
1,494	07/12/2016	15:53:21	LSE	422
1,494	07/12/2016	15:53:21	LSE	904
1,494	07/12/2016	15:53:21	LSE	402
1,494	07/12/2016	15:53:21	LSE	718
1,494	07/12/2016	15:53:22	LSE	600
1,494	07/12/2016	15:53:22	LSE	450
1,494	07/12/2016	15:53:22	LSE	500
1,494	07/12/2016	15:53:22	LSE	422
1,494	07/12/2016	15:53:25	LSE	600
1,495	07/12/2016	15:53:30	LSE	1,099
1,495	07/12/2016	15:53:30	LSE	195
1,495	07/12/2016	15:53:30	LSE	500
1,495	07/12/2016	15:53:30	LSE	422
1,495	07/12/2016	15:53:30	LSE	72
1,495	07/12/2016	15:53:30	LSE	196
1,494	07/12/2016	15:55:11	LSE	495
1,494	07/12/2016	15:55:11	LSE	1,470

1,494	07/12/2016	15:55:22	LSE	82
1,494	07/12/2016	15:57:29	LSE	387
1,494	07/12/2016	15:57:29	LSE	600
1,493	07/12/2016	15:57:49	LSE	475
1,494	07/12/2016	15:58:34	LSE	500
1,494	07/12/2016	15:58:34	LSE	550
1,494	07/12/2016	15:58:34	LSE	600
1,494	07/12/2016	15:58:35	LSE	421
1,494	07/12/2016	16:00:56	LSE	675
1,493	07/12/2016	16:01:30	LSE	460
1,495	07/12/2016	16:04:05	LSE	331
1,495	07/12/2016	16:04:05	LSE	402
1,495	07/12/2016	16:04:05	LSE	500
1,495	07/12/2016	16:04:05	LSE	166
1,495	07/12/2016	16:04:05	LSE	167
1,495	07/12/2016	16:08:41	LSE	107
1,495	07/12/2016	16:08:41	LSE	75
1,495	07/12/2016	16:14:16	LSE	333
1,495	07/12/2016	16:15:31	LSE	168
1,495	07/12/2016	16:15:32	LSE	600
1,495	07/12/2016	16:15:32	LSE	600
1,495	07/12/2016	16:15:32	LSE	535
1,495	07/12/2016	16:15:32	LSE	500
1,495	07/12/2016	16:15:32	LSE	103
1,495	07/12/2016	16:15:32	LSE	500
1,495	07/12/2016	16:16:30	LSE	376
1,495	07/12/2016	16:16:32	LSE	161
1,495	07/12/2016	16:17:00	LSE	521
1,495	07/12/2016	16:17:41	LSE	549
1,495	07/12/2016	16:18:57	LSE	259
1,495	07/12/2016	16:18:57	LSE	178
1,495	07/12/2016	16:18:57	LSE	90
1,495	07/12/2016	16:18:57	LSE	600
1,495	07/12/2016	16:18:57	LSE	600
1,495	07/12/2016	16:18:57	LSE	162
1,495	07/12/2016	16:18:57	LSE	391
1,495	07/12/2016	16:19:06	LSE	572
1,495	07/12/2016	16:19:06	LSE	600
1,495	07/12/2016	16:19:46	LSE	56
1,495	07/12/2016	16:19:46	LSE	600
1,495	07/12/2016	16:20:01	LSE	330
1,495	07/12/2016	16:20:01	LSE	315
1,495	07/12/2016	16:20:15	LSE	500
1,495	07/12/2016	16:20:15	LSE	344
1,495	07/12/2016	16:20:15	LSE	256
1,495	07/12/2016	16:20:15	LSE	501
1,495	07/12/2016	16:20:16	LSE	344
1,495	07/12/2016	16:20:23	LSE	323
1,495	07/12/2016	16:20:23	LSE	223
1,495	07/12/2016	16:20:23	LSE	600
1,495	07/12/2016	16:20:23	LSE	472
1,495	07/12/2016	16:20:34	LSE	341
1,495	07/12/2016	16:20:34	LSE	221