

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

				2015								
				Production			Transaction					
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/other	Wind - onshore	163.728	94.512	98.714	214.946	991.997	1.095.458	18.958	499.832	61.248
T020002	F01050100	Mechanical/other	Wind - offshore	0	0	0	0	2.190	5.507	2.190	73.962	0
T020000	F01050100	Mechanical/other	Wind - unknown	8.723	8.706	0	358	40.407	24.507	0	164.417	0
T030000, 0200	F01050200	Mechanical/other	Hydro/marine	12.200.874	10.810.995	123.852	16.037.214	47.035.089	84.984.956	4.404.955	79.280.930	3.017.628
T010000, 0100	F01040100	Heat	Solar	1.831	1.289	3	4.546	4.533	46.613	0	38.678	301
T050302	F01040200	Heat	Geothermal, condensation turbine	0	0	0	0	0	442.622	0	210.015	50
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag, bp&w)	1.537.298	472.243	198.291	1.542.004	1.505.691	472.009	1.108.087	46.039	353.604
T050000	F01030100	Biomass	Gas - landfill	0	0	0	7.345	45.676	22.838	0	0	490
T050000	F01030200	Biomass	Gas - sewage	520	388	54	170	5.094	2.717	0	0	0
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas	0	0	0	0	0	18.800	0	0	0
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	3.764.245	521.202	214.678	1.814.749	565.028	470.202	835.713	365	853.216
				17.677.219	11.909.335	635.592	19.621.332	50.195.705	87.586.229	6.369.903	80.314.238	4.286.537

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Jan									
			Production			Transaction						
			Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	31.075	30.813	11.302	52.334	486.096	390.448		109.680	3.100
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	639	639		358	10.358	14.191		1.333	
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.214.461	1.049.448	23.916	3.170.873	8.076.345	21.835.848	156.111	17.933.703	196.802
T010000, 0100	F01040100	Heat	Solar	13	13	3	308	71	247		1	1
T050302	F01040200	Heat	Geothermal, condensation turbine						150.000		5.000	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	45.038	18.938	29.378	337.797	438.473	40.280	173.988		41.911
T050000	F01030100	Biomass	Gas - landfill				7.345	29.646	3.617			490
T050000	F01030200	Biomass	Gas - sewage			54	159	3.068	680			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas						18.800			
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	45.554	44.921	50.837	191.375	82.088	37.922	27.960		57.912
				1.336.780	1.144.772	115.490	3.760.549	9.126.145	22.492.033	358.059	18.049.717	300.216

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Feb									
			Production			Transaction						
			Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	16.758	16.485	8.724	20.219	119.123	189.843		18.992	13.855
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	433	433							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	855.522	746.226	20.185	1.079.075	4.907.899	9.383.180	99.720	5.923.046	345.405
T010000, 0100	F01040100	Heat	Solar	54	45		135	139	118		1	
T050302	F01040200	Heat	Geothermal, condensation turbine									
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	54.609	26.857	24.710	171.282	101.127	16.005	187.285		39.349
T050000	F01030100	Biomass	Gas - landfill					1.806	4.997			
T050000	F01030200	Biomass	Gas - sewage	64			11	542	553			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	44.179	42.396	54.558	28.834	21.886	33.607	59.628		85.224
				971.619	832.442	108.177	1.299.556	5.152.522	9.628.303	346.633	5.942.039	483.833

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

				Mar								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/ other	Wind - onshore	15.430	14.925	10.708	6.464	58.182	111.445		4.019	30.514
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	761	761							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.046.971	914.690	27.330	1.633.059	8.321.353	12.927.378	228.545	8.484.360	280.414
T010000, 0100	F01040100	Heat	Solar	129	111		130	3	1.587			300
T050302	F01040200	Heat	Geothermal, condensation turbine						147.005		147.005	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	63.370	32.766	19.397	87.239	61.149	86.288	9.356		34.778
T050000	F01030100	Biomass	Gas - landfill					1.947	1.947			
T050000	F01030200	Biomass	Gas - sewage	8	8			552	552			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	53.403	48.815	49.537	232.077	23.546	27.988	22.995		85.452
				1.180.072	1.012.076	106.972	1.958.969	8.466.732	13.304.190	260.896	8.635.384	431.458

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

				Apr								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/ other	Wind - onshore	8.574	3.635	4.990	7.307	61.273	138.036			3.642
T020002	F01050100	Mechanical/ other	Wind - offshore						356			
T020000	F01050100	Mechanical/ other	Wind - unknown	462	462							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.244.424	1.096.578	5.615	764.440	4.384.728	9.290.297	1.628.514	1.794.243	101.796
T010000, 0100	F01040100	Heat	Solar	254	168				417			
T050302	F01040200	Heat	Geothermal, condensation turbine						63.710			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	152.127	32.039	33.244	135.590	158.719	96.463	96.142		41.143
T050000	F01030100	Biomass	Gas - landfill					6.346	3.436			
T050000	F01030200	Biomass	Gas - sewage	8				467	467			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	1.067.379	49.394	15.700	52.035	12.194	41.375	23.738		96.917
				2.473.228	1.182.276	59.549	959.372	4.623.727	9.634.557	1.748.394	1.794.243	243.498

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	May									
			Production			Transaction						
			Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	15.196	3.830	11.182	80.488	67.524	84.696			5.236
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	705	705							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.492.295	1.486.394	2.538	12.925	1.708.722	6.985.124	91.802	5.464.646	132.801
T010000, 0100	F01040100	Heat	Solar	242	170		1.372	1.372	1.254			
T050302	F01040200	Heat	Geothermal, condensation turbine						18.147			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	174.143	40.777	26.973	149.250	154.150	68.966	118.778	24.192	49.142
T050000	F01030100	Biomass	Gas - landfill					2.127	5.037			
T050000	F01030200	Biomass	Gas - sewage	60	60			465	465			
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	779.515	47.371	16.403	285.821	129.828	29.145	136.409		98.227
				2.462.156	1.579.307	57.096	529.856	2.064.188	7.192.834	346.989	5.488.838	285.406

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

				Jun								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/ other	Wind - onshore	8.605	2.920	5.905	3.319	29.053	60.084			391
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	511	509							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	1.392.813	1.191.404	3.254	1.228.563	1.591.072	7.254.205	324.014	2.267.537	141.869
T010000, 0100	F01040100	Heat	Solar	251	178		1.989	1.989	1.472			
T050302	F01040200	Heat	Geothermal, condensation turbine									
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	142.487	38.196	7.945	1.664	16.560	19.630	45.520	695	36.401
T050000	F01030100	Biomass	Gas - landfill					3.804	3.804			
T050000	F01030200	Biomass	Gas - sewage	66	65							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	601.815	42.488	14.972	87.598	7.326	7.873	71.195		94.548
				2.146.548	1.275.760	32.076	1.323.133	1.649.804	7.347.068	440.729	2.268.232	273.209

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

				Jul								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/ other	Wind - onshore	11.172	3.000	8.222	3.999	330	22.188		51.685	366
T020002	F01050100	Mechanical/ other	Wind - offshore					2.190		2.190	4.380	
T020000	F01050100	Mechanical/ other	Wind - unknown	810	806							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	954.360	861.734	3.592	1.801.367	2.059.658	2.450.260	140.461	1.766.847	612.532
T010000, 0100	F01040100	Heat	Solar	231	194		102	102	1.354		1.000	
T050302	F01040200	Heat	Geothermal, condensation turbine						12.939			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	158.135	40.535	10.152	216.519	144.217	14.638	153.826		3.877
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	65	65							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	640.163	44.251	12.671	219.934	33.573	66.551	56.070		99.820
				1.764.936	950.585	34.637	2.241.921	2.240.070	2.567.930	352.547	1.823.912	716.595

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Aug									
			Production			Transaction						
			Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	6.135	1.814	4.396	20.549	66.711	42.641		107.002	2.978
T020002	F01050100	Mechanical/ other	Wind - offshore						5.151		17.223	
T020000	F01050100	Mechanical/ other	Wind - unknown	491	488						8.313	
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	882.516	791.424	3.486	1.613.891	2.027.568	3.428.351	160.938	3.779.801	241.820
T010000, 0100	F01040100	Heat	Solar	330	162				1.989			
T050302	F01040200	Heat	Geothermal, condensation turbine						2.807			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	159.427	44.051	10.741	73.043	53.578	23.163	44.260		25.979
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	56	44							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	104.420	43.084		112.672	50.130	40.377	45.440		59.108
				1.153.375	881.067	18.623	1.820.155	2.197.987	3.544.479	250.638	3.912.339	329.885

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Sep									
			Production			Transaction						
			Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	9.414	3.175	6.694	12.233	20.879	8.777		16.251	275
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	700	699			14.626	7.313			
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	782.790	678.349	10.354	38.095	7.100.644	3.230.802	220.559	6.710.595	186.515
T010000, 0100	F01040100	Heat	Solar	157	120		93	76				
T050302	F01040200	Heat	Geothermal, condensation turbine						48.014			
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	136.153	36.548	9.836	29.709	31.361	30.047	52.461		30.162
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	58	58							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	101.877	34.800		186.762	46.555	115.160	80.442	1	42.951
				1.031.149	753.749	26.884	266.892	7.214.141	3.440.113	353.462	6.726.847	259.903

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the
explanation in the German table

Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy	Oct									
			Production			Transaction						
			Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire	
T020001	F01050100	Mechanical/ other	Wind - onshore	5.811	1.800	3.907	3	34.768	10.125		38.584	753
T020002	F01050100	Mechanical/ other	Wind - offshore									
T020000	F01050100	Mechanical/ other	Wind - unknown	562	560							
T030000, 0200	F01050200	Mechanical/ other	Hydro/marine	802.795	648.791	1.021	1.213.223	1.995.974	2.526.292	131.538	7.246.050	255.058
T010000, 0100	F01040100	Heat	Solar	78	71		46	343	37.738		37.675	
T050302	F01040200	Heat	Geothermal, condensation turbine									
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	156.098	58.775	8.747	187.397	235.622	14.786	177.448	21.088	19.526
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	45								
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	104.692	59.137		169.730	65.081	10.684	185.655		34.882
				1.070.081	769.134	13.675	1.570.399	2.331.788	2.599.625	494.641	7.343.397	310.219

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the explanation in the German table

				Nov								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/other	Wind - onshore	19.206	5.531	12.525		21	26.383		25.261	64
T020002	F01050100	Mechanical/other	Wind - offshore								1.135	
T020000	F01050100	Mechanical/other	Wind - unknown	1.373	1.370						36.000	
T030000, 0200	F01050200	Mechanical/other	Hydro/marine	738.871	673.147	14.777	1.496.139	1.317.197	1.671.943	682.029	5.451.649	204.689
T010000, 0100	F01040100	Heat	Solar	40	35		171	171	159			
T050302	F01040200	Heat	Geothermal, condensation turbine								10	50
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	144.660	52.194	8.251	82.054	32.566	14.481	32.566		16.769
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	45	44							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	104.029	31.352		92.955	38.318	18.436	108.061	364	54.325
				1.008.224	763.673	35.553	1.671.319	1.388.273	1.731.402	822.656	5.514.419	275.897

Statistics of the Register of Guarantees of Origin, Germany - 2015

status: 31.12.2016; please take notice of the explanation in the German table

				Dec								
Techcode according to EECS Rules, Fact Sheet 5	Fuelcode according to EECS Rules, Fact Sheet 5	Energy		Production			Transaction					
				Issue	Cancel	Expire	Issue	Transfer	Cancel	Export	Import	Expire
T020001	F01050100	Mechanical/other	Wind - onshore	16.352	6.584	10.159	8.031	48.037	10.792	18.958	128.358	74
T020002	F01050100	Mechanical/other	Wind - offshore								51.224	
T020000	F01050100	Mechanical/other	Wind - unknown	1.276	1.274			15.423	3.003		118.771	
T030000, 0200	F01050200	Mechanical/other	Hydro/marine	793.056	672.810	7.784	1.985.564	3.543.929	4.001.276	540.724	12.458.453	317.927
T010000, 0100	F01040100	Heat	Solar	52	22		200	267	278		1	
T050302	F01040200	Heat	Geothermal, condensation turbine								58.000	
T050000	F0101-0000, 0400	Biomass	Solid - renewable fuels(inc.For& Ag,bp&w)	151.051	50.567	8.917	70.460	78.169	47.262	16.457	64	14.567
T050000	F01030100	Biomass	Gas - landfill									
T050000	F01030200	Biomass	Gas - sewage	45	44							
T050000	F0103-0000, 0300 to 0305, 0400, 0501	Biomass	Gas - other biogas									
T050000 / T070000	F01000000	Unspecified	Unspecified renewable energy	117.219	33.193		154.956	54.503	41.084	18.120		43.850
				1.079.051	764.494	26.860	2.219.211	3.740.328	4.103.695	594.259	12.814.871	376.418

source: Umweltbundesamt status: 31.12.2016