32	99.98	alanine	2.5	-	-	Na	7.0	0.000	10	156	890
32	99.98	-	-	citric acid	0.005	Na	7.0	0.001	10	156	890
32	99.98	-	-	citric acid	21.9	Na	7.0	3.129	10	156	890
32	99.98	-	-	tartaric acid	2.5	Na	1.1	2.273	10	156	890
32	99.98	-	-	tartaric acid	0.06	Na	33	0.0018	10	156	890

32	99.98	-	-	tartaric acid	12.5	Ca,K,Na	9.0	1.389	70	156	890
32	99.98	-	-	tartaric acid	8.6	Ca,K,Na	9.0	0.956	90	156	800
32	99.98	-	-	tartaric acid	3	K	7.0	0.429	30	156	890
32	99.98	-	-	tartaric acid	7.3	K	3.6	0.639	10	156	890
44	99.98	-	-	tartaric acid	7.5	Na	7.0	1.071	10	156	890
32	99.98	acetic acid	7.5	-	-	Ca	7.0	0.000	10	156	890
32	99.99	-	-	citric acid	0.005	Ca	7.0	0.001	10	156	890
32	99.98	-	-	citric acid	21.3	Mg	7.0	3.129	10	156	890
32	99.96	-	-	tartaric acid	0.06	Ca	33.0	0.0018	10	156	890

-EVOH-1	32	99.98	acetic acid (0.8)/ sodium acetate (0.50)	0.015	0.20	EVOH-70
-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (0.001)/ sodium acetate (0.50)	0.015	0.20	EVOH-71
-EVOH-1	32	99.99	acetic acid (0.8)/ citric acid (1.95)/ sodium acetate (0.50)	0.015	0.20	EVOH-72
-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (0.32)/ sodium acetate (3.02)	0.015	0.20	EVOH-73

37	32	99.98	acetic acid	16.7	maleic acid	2.60	Na	7.39	0.3518	10	156	890
38	27	99.98	acetic acid	16.7	citric acid	2.60	Na	7.39	0.3518	10	96	550
39	44	99.98	acetic acid	16.7	citric acid	2.60	Na	7.39	0.3518	10	227	1300
40	32	99.98	acetic acid	16.7	-	-	Na	7.39	-	10	156	890
41	32	99.98	acetic acid	16.7	citric acid	0.01	Na	7.39	0.0014	10	156	890
42	32	99.99	acetic acid	16.7	citric acid	7.81	Na	3.48	2.2443	10	156	890
43	32	99.98	acetic acid	16.7	citric acid	0.08	Na	43.48	0.0018	10	156	890

32	99.98	acetic acid	2.5	citric acid	<0.01	Na	7.0	<0.001	10	156	890

[0154]

[Table 6]

		Et	DS	(B1)		(B2)		(C)		(B2)/(C)	(D)	(E)	
		mol %	mol %	Type	Content μmol/g	Type	Content μmol/g	Type	Content μmol/g	Molar ratio	Content in a value of phosphate radical ppm	Content in a value of boron element ppm	Content in a value of boric acid ppm
Comparative Example 1	EVOH-34	32	99.98	acetic acid	2.5	-	-	Na	7.0	0.000	10	156	890
Comparative Example 2	EVOH-35	32	99.98	acetic acid	7.5	-	-	Na	7.0	0.000	10	156	890
Comparative Example 3	EVOH-36	32	99.98	acetic acid	0.8	-	-	Na	7.0	0.000	10	156	890
Comparative Example 4	EVOH-37	32	99.98	lactic acid	1.1	-	-	Na	7.0	0.000	10	156	890
Comparative Example 5	EVOH-38	32	99.98	lactic acid	2.5	-	-	Na	7.0	0.000	10	156	890
Comparative Example 6	EVOH-39	32	99.98	pyruvic acid	2.5	-	-	Na	7.0	0.000	10	156	890
Comparative Example 7	EVOH-40	32	99.98	alanine	2.5	-	-	Na	7.0	0.000	10	156	890
Comparative Example 8	EVOH-41	32	99.98	-	-	citric acid	0.005	Na	7.0	0.001	10	156	890
Comparative Example 9	EVOH-42	32	99.98	-	-	citric acid	21.9	Na	7.0	3.129	10	156	890
Comparative Example 10	EVOH-43	32	99.98	-	-	tartaric acid	2.5	Na	1.1	2.273	10	156	890
Comparative Example 11	EVOH-44	32	99.98	-	-	tartaric acid	0.06	Na	33	0.0018	10	156	890

[0160]

[Table 9]

		St	DS	(B1)		(B2)		(C)		(B2)/(C)	(D)	(E)	
				Type	Content	Type	Content	Type	Content	Molar ratio	Content in terms of phosphoric acid radical	Content in a value of boron element	Content in a value of boric acid
		mol %	mol %		μmol/g		μmol/g		μmol/g		ppm	ppm	ppm
Example 34	EVOH-45	32	99.98	-	-	citric acid	3.2	Mg	2.9	1.103	10	156	890
Example 35	EVOH-46	32	99.98	-	-	citric acid	7.7	Ca	5.3	1.453	10	156	890
Example 36	EVOH-47	44	99.98	-	-	citric acid	2.7	Ca	3.8	0.711	10	156	890
Example 37	EVOH-48	32	99.98	-	-	citric acid	3.8	Mg,K,Na	8.7	0.437	110	156	890
Example 38	EVOH-49	32	99.98	-	-	citric acid	5.8	Mg,K,Na	16.9	0.349	110	156	890
Example 39	EVOH-50	44	99.98	-	-	citric acid	9.0	Mg,K,Na	8.7	1.034	110	156	890
Example 40	EVOH-51	32	99.98	-	-	tartaric acid	4.6	Ca,K,Na	9.0	0.511	90	156	890
Example 41	EVOH-52	32	99.98	-	-	tartaric acid	12.5	Ca,K,Na	9.0	1.389	70	156	890
Example 42	EVOH-53	32	99.98	-	-	tartaric acid	8.6	Ca,K,Na	9.0	0.956	90	156	890
Example 43	EVOH-54	32	99.98	-	-	tartaric acid	3	K	7.0	0.429	10	156	890
Example 44	EVOH-55	32	99.98	-	-	tartaric acid	2.3	K	3.6	0.639	10	156	890
Example 45	EVOH-56	44	99.98	-	-	tartaric acid	7.5	Na	7.0	1.071	10	156	890
Comparative Example 12	EVOH-57	32	99.98	acetic acid	7.5	-	-	Ca	7.0	0.000	10	156	890
Comparative Example 13	EVOH-58	32	99.98	-	-	citric acid	0.005	Ca	7.0	0.001	10	156	890
Comparative Example 14	EVOH-59	32	99.98	-	-	citric acid	21.8	Mg	7.0	3.129	10	156	890
Comparative Example 15	EVOH-60	32	99.98	-	-	tartaric acid	0.06	Ca	33.0	0.0018	10	156	890

[0165]

[Table 11]

	Water-containing EVOH	Et	DS	Type of component blended into aqueous solution and concentration			
				Carboxylic acid/metal ions	Phosphoric acid	Boric acid	
		mol %	mol %	Numbers in parenthesis indicating blended concentration (unit: g/L)	g/L	g/L	
Example 46	w-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (0.02)/ sodium acetate (0.50)	0.015	0.20	EVOH-61
Example 47	w-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (0.65)/ sodium acetate (0.50)	0.015	0.20	EVOH-62
Example 48	w-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (1.04)/ sodium acetate (0.50)	0.015	0.20	EVOH-63
Example 49	w-EVOH-1	32	99.98	acetic acid (0.8)/ adipic acid (0.49)/ sodium acetate (0.50)	0.015	0.20	EVOH-64
Example 50	w-EVOH-1	32	99.98	acetic acid (0.8)/ aconitic acid (0.59)/ sodium acetate (0.50)	0.015	0.20	EVOH-65
Example 51	w-EVOH-1	32	99.98	acetic acid (0.8)/ aspartic acid (0.65)/ sodium acetate (0.50)	0.015	0.20	EVOH-66
Example 52	w-EVOH-1	32	99.98	acetic acid (0.8)/ maleic acid (0.39)/ sodium acetate (0.50)	0.015	0.20	EVOH-67
Example 53	w-EVOH-2	27	99.98	acetic acid (0.8)/ citric acid (0.65)/ sodium acetate (0.50)	0.015	0.21	EVOH-68
Example 54	w-EVOH-3	44	99.98	acetic acid (0.8)/ citric acid (0.65)/ sodium acetate (0.50)	0.015	0.32	EVOH-69
Comparative Example 16	w-EVOH-1	32	99.98	acetic acid (0.8)/ sodium acetate (0.50)	0.015	0.20	EVOH-70
Comparative Example 17	w-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (0.001)/ sodium acetate (0.50)	0.015	0.20	EVOH-71
Comparative Example 18	w-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (1.95)/ sodium acetate (0.50)	0.015	0.20	EVOH-72
Comparative Example 19	w-EVOH-1	32	99.98	acetic acid (0.8)/ citric acid (0.32)/ sodium acetate (3.02)	0.015	0.20	EVOH-73

[0166]

[Table 12]

		Et	DS	(B1)		(B2)		(C)		(B2)/(C)	(D)	(E)	
				Type	Content	Type	Content	Type	Content		Content in a value of phosphate radical	Content in a value of boron element	Content in a value of boric acid
		mol %	mol %		μmol/g		μmol/g		μmol/g	Molar ratio	ppm	ppm	ppm
Example 46	EVOH-61	32	99.98	acetic acid	16.7	citric acid	0.08	Na	7.39	0.0108	10	156	890
Example 47	EVOH-62	32	99.98	acetic acid	16.7	citric acid	2.60	Na	7.39	0.3518	10	156	890
Example 48	EVOH-63	32	99.98	acetic acid	16.7	citric acid	4.16	Na	7.39	0.5629	10	156	890
Example 49	EVOH-64	32	99.98	acetic acid	16.7	adipic acid	2.60	Na	7.39	0.3518	10	156	890
Example 50	EVOH-65	32	99.98	acetic acid	16.7	Aconitic acid	2.60	Na	7.39	0.3518	10	156	890
Example 51	EVOH-66	32	99.98	acetic acid	16.7	aspartic acid	2.60	Na	7.39	0.3518	10	156	890
Example 52	EVOH-67	32	99.98	acetic acid	16.7	malcic acid	2.60	Na	7.39	0.3518	10	156	890
Example 53	EVOH-68	27	99.98	acetic acid	16.7	citric acid	2.60	Na	7.39	0.3518	10	96	550
Example 54	EVOH-69	44	99.98	acetic acid	16.7	citric acid	2.60	Na	7.39	0.3518	10	227	1300
Comparative Example 16	EVOH-70	32	99.98	acetic acid	16.7	-	-	Na	7.39	-	10	156	890
Comparative Example 17	EVOH-71	32	99.98	acetic acid	16.7	citric acid	0.01	Na	7.39	0.0014	10	156	890
Comparative Example 18	EVOH-72	32	99.99	acetic acid	16.7	citric acid	7.81	Na	3.48	2.2443	10	156	890
Comparative Example 19	EVOH-73	32	99.98	acetic acid	16.7	citric acid	0.08	Na	43.48	0.0018	10	156	890

		Et	DS	(B1)		(B2)		(C)		(B2)/(C)	(D)	(E)	
		mol%	mol%	Type	Content μmol/g	Type	Content μmol/g	Type	Content μmol/g	Molar ratio	Content in a value of phosphate radical ppm	Content in a value of boron element ppm	Content in a value of boric acid ppm
Example 55	EVOH-74	32	99.98	-	-	citric acid	2.6	Na	7.0	0.371	10	156	890
Example 56	EVOH-75	32	99.98	-	-	citric acid	2.6	Na	7.0	0.371	10	156	890
Example 57	EVOH-76	32	99.98	-	-	citric acid	2.6	Na	7.0	0.371	10	156	890
Example 58	EVOH-77	32	99.98	-	-	citric acid	2.6	Na	7.0	0.371	10	156	890
Example 59	EVOH-78	32	99.98	-	-	citric acid	2.6	Na	7.0	0.371	10	156	890
Comparative Example 20	EVOH-79	32	99.98	acetic acid	2.5	citric acid	<0.01	Na	7.0	<0.001	10	156	890

[0175]

[Table 14]