2-アミノエタノールのマウスを用いた
経口投与による2週間毒性試験（混水試験）報告書

試験番号：0595

APPENDICES

APPENDICES

APPENDICES (CONTINUED)

APPENDIX A 1

IDENTITY OF 2-AMINOETHANOL

IN THE 2-WEEK DRINKING WATER STUDY

IDENTITY OF 2-AMINOETHANOL IN THE 2-WEEK DRINKING WATER STUDY

Test Substance : 2-Aminoethanol (Wako Pure Chemical Industries, Ltd.)

Lot No. : SDQ5459

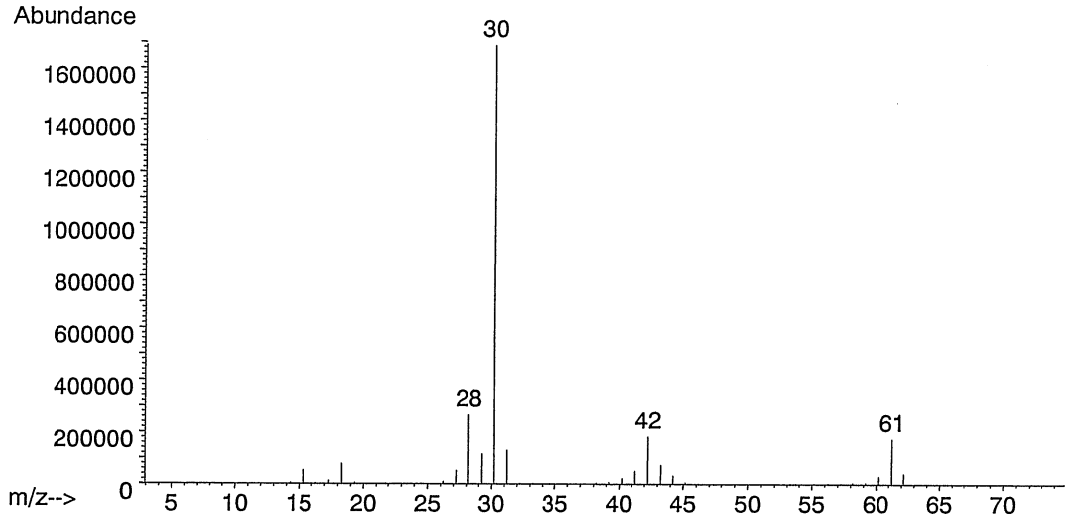
1. Spectral Data

Mass Spectrometry

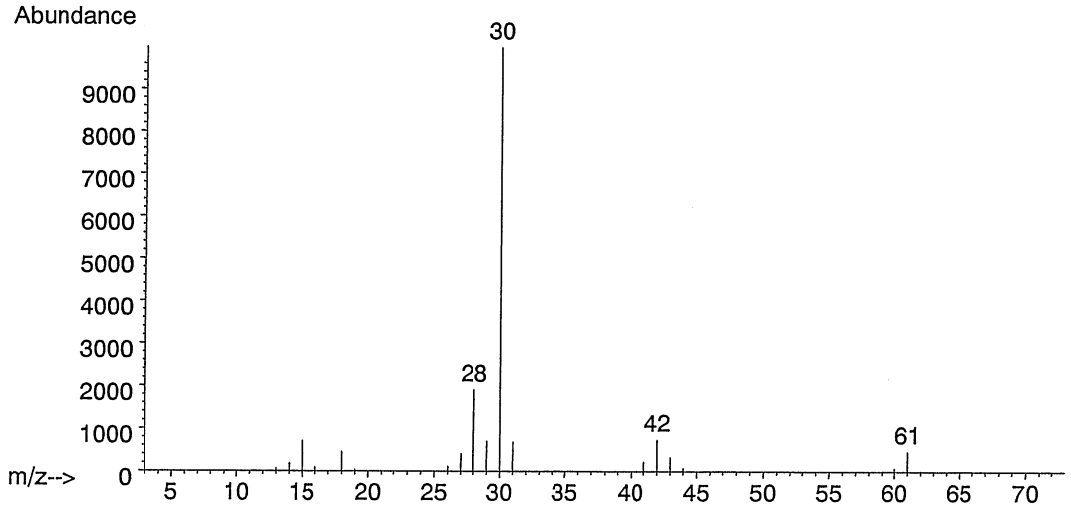
Instrument : Hewlett Packard 5989B Mass Spectrometer

Ionization : EI (Electron Ionization)

Ionization Voltage : 70eV



Mass Spectrum of Test Substance



Mass Spectrum of Literature Data*

Result: The mass spectrum was consistent with literature spectrum.

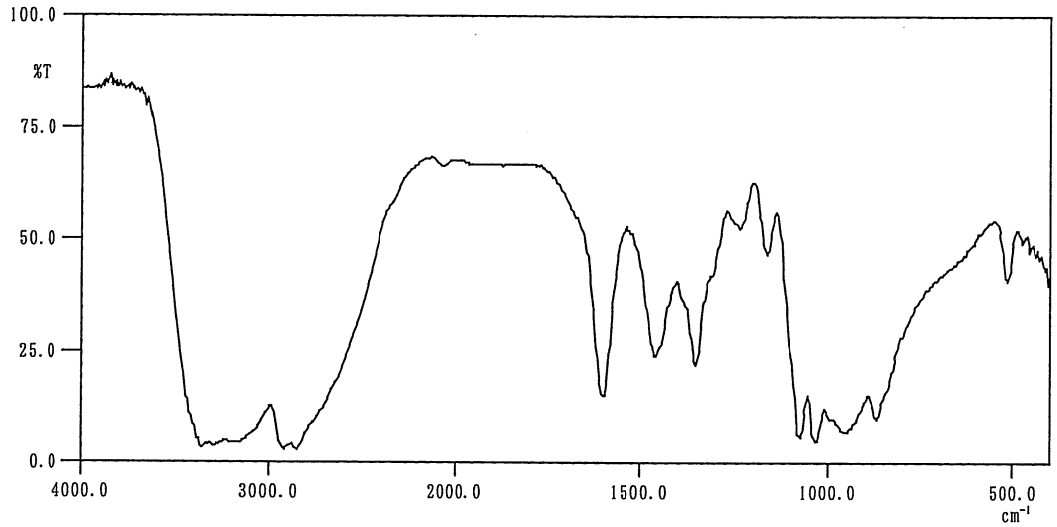
(*McLafferty FW, ed. 1994. Wiley Registry of Mass Spectral Data. 6th ed. New York, NY : John Wiley and Sons.)

Infrared Spectrometry

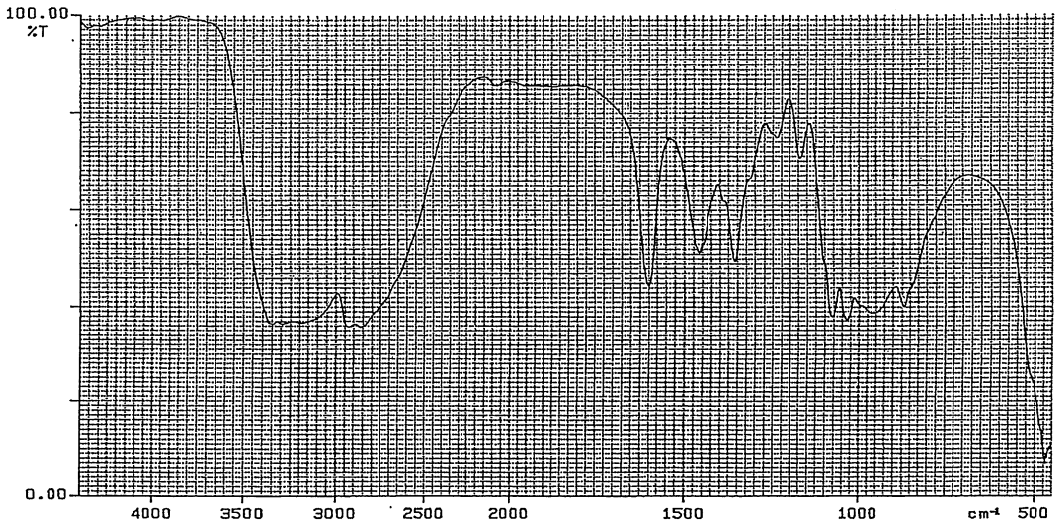
Instrument : Shimadzu FTIR-8200PC Infrared Spectrometer

Cell : KBr Liquid Cell

Resolution : 2 cm^{-1}



Infrared Spectrum of Test Substance



Infrared Spectrum of Literature Data*

Result: The infrared spectrum was consistent with literature spectrum.
(*Performed by Wako Pure Chemical Industries, Ltd.)

2. Conclusion: The test substance was identified as 2-aminoethanol by mass spectrum and infrared spectrum.

APPENDIX A 2

STABILITY OF 2-AMINOETHANOL IN THE 2-WEEK DRINKING WATER STUDY

STABILITY OF 2-AMINOETHANOL IN THE 2-WEEK DRINKING WATER STUDY

Test Substance : 2-Aminoethanol (Wako Pure Chemical Industries, Ltd.)

Lot No. : SDQ5459

1. Sample : This lot was used from 2005.6.23 to 2005.7.7. Test substance was stored in a dark place at room temperature.

2. Gas Chromatography

Instrument : Hewlett Packard 5890A Gas Chromatograph

Column : Carbowax-20M + KOH 0.8% (2 mmϕ × 2 m)

Column Temperature : 190 °C

Flow Rate : 20 mL/min

Detector : FID (Flame Ionization Detector)

Injection Volume : 1 μL

Date (date analyzed)	Peak No.	Retention Time (min)	Area (%)
2005.06.13	1	1.052	100
2005.07.11	1	1.062	100

Result: Gas chromatography indicated one major peak (peak No.1) analyzed on 2005.6.13 and one major peak (peak No.1) and analyzed on 2005.7.11. No new trace impurity peak in the test substance analyzed on 2005.7.11 was detected.

3. Conclusion: The test substance was stable for about 4 weeks in a dark place at room temperature.

APPENDIX A 3

CONCENTRATION OF 2-AMINOETHANOL IN FORMULATED WATER IN THE 2-WEEK DRINKING WATER STUDY

CONCENTRATION OF 2-AMINOETHANOL IN FORMULATED WATER IN THE 2-WEEK DRINKING WATER STUDY

	Target Concentration				
Date Analyzed	1250[a]	2500	5000	10000	20000
2005.06.23	1280 (102)[b]	2570 (103)	5010 (100)	10100 (101)	20100 (101)

[a] ppm
[b] %

Analytical Method : The samples were analyzed by gas chromatography.

Instrument : Hewlett Packard 5890A Gas Chromatograph
Column : Carbowax-20M + KOH 0.8% (2 mmϕ × 2 m)
Column Temperature : 190 °C
Flow Rate : 20 mL/min
Detector : FID (Flame Ionization Detector)
Injection Volume : 1 μL

APPENDIX A 4

STABILITY OF 2-AMINOETHANOL IN FORMULATED WATER IN THE 2-WEEK DRINKING WATER STUDY

STABILITY OF 2-AMINOETHANOL IN FORMULATED WATER IN THE 2-WEEK DRINKING WATER STUDY

		Target Concentration	
Date Prepared	Date Analyzed	1250[a]	20000
2005.05.20	2005.05.20	1260 (100)[b]	20100 (100)
	2005.05.24[c]	1250 (99.2)	20100 (100)

[a] ppm
[b] % (Percentage was based on the concentration on date of preparation.)
[c] Animal room samples

Analytical method : The samples were analyzed by gas chromatography.

Instrument : Hewlett Packard 5890A Gas Chromatograph
Column : Carbowax-20M + KOH 0.8% (2 mmϕ $\times$ 2 m)
Column Temperature : 190 °C
Flow Rate : 20 mL/min
Detector : FID (Flame Ionization Detector)
Injection Volume : 1 μL

APPENDIX B 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-4	1-7	2-4	2-7
		1	1	1	1
PILOERECTION	Control	0	0	0	0
	1250 ppm	0	0	0	0
	2500 ppm	0	0	0	0
	5000 ppm	0	1	1	1
	10000 ppm	0	0	0	0
	20000 ppm	0	0	0	0
NON REMARKABLE	Control	5	5	5	5
	1250 ppm	5	5	5	5
	2500 ppm	5	5	5	5
	5000 ppm	5	4	4	4
	10000 ppm	5	5	5	5
	20000 ppm	5	5	5	5

APPENDIX B 2

CLINICAL OBSERVATION : FEMALE

Clinical sign	Group Name	Administration Week-day 1-4 1	1-7 1	2-4 1	2-7 1
PILOERECTION	Control	0	0	0	0
	1250 ppm	0	0	0	0
	2500 ppm	0	0	0	0
	5000 ppm	0	0	0	0
	10000 ppm	0	0	0	0
	20000 ppm	0	0	0	1
NON REMARKABLE	Control	5	5	5	5
	1250 ppm	5	5	5	5
	2500 ppm	5	5	5	5
	5000 ppm	5	5	5	5
	10000 ppm	5	5	5	5
	20000 ppm	5	5	5	4

APPENDIX C 1

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-4	1-7	2-4	2-7
Control	22.8± 0.7	23.1± 1.3	24.0± 1.4	24.4± 1.1	24.9± 1.0
1250 ppm	22.8± 0.8	23.1± 0.1	23.5± 0.6	24.4± 0.5	24.8± 0.4
2500 ppm	22.8± 0.9	22.6± 0.9	23.4± 0.7	24.1± 1.2	24.6± 0.9
5000 ppm	22.8± 0.7	22.6± 0.9	23.4± 0.8	24.5± 0.8	25.0± 0.7
10000 ppm	22.8± 0.7	22.8± 0.6	23.3± 1.0	24.0± 1.0	24.4± 1.1
20000 ppm	22.7± 0.9	21.8± 0.9	23.3± 0.8	23.4± 0.7	24.0± 0.7

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX C 2

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-4	1-7	2-4	2-7
Control	19.4± 0.8	19.9± 0.7	19.7± 0.1	19.8± 0.6	20.7± 0.9
1250 ppm	19.4± 0.8	19.9± 1.4	19.9± 1.0	20.1± 1.0	20.7± 1.6
2500 ppm	19.4± 0.8	19.4± 0.9	19.6± 0.9	20.2± 1.1	20.1± 1.1
5000 ppm	19.4± 0.8	19.7± 0.5	20.1± 0.8	20.1± 0.7	20.9± 0.6
10000 ppm	19.4± 0.7	18.8± 0.3	19.1± 0.6	19.2± 0.7	20.1± 0.2
20000 ppm	19.4± 0.8	18.4± 1.1	19.0± 1.0	19.4± 1.0	19.5± 0.7

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX D 1

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-4(4)	1-7(3)	2-4(4)	2-7(3)
Control	3.9± 0.5	4.4± 0.4	3.9± 0.2	4.1± 0.1
1250 ppm	3.7± 0.3	4.1± 0.2	3.9± 0.2	4.3± 0.2
2500 ppm	3.7± 0.3	4.3± 0.1	4.1± 0.2	4.2± 0.1
5000 ppm	3.7± 0.4	4.4± 0.2	4.2± 0.4	4.4± 0.2
10000 ppm	3.7± 0.2	4.2± 0.3	4.1± 0.3	4.2± 0.3
20000 ppm	3.3± 0.5	4.4± 0.6	3.6± 0.2	4.1± 0.2

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX D 2

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-4(4)	1-7(3)	2-4(4)	2-7(3)
Control	3.4± 0.2	3.7± 0.3	3.5± 0.3	4.1± 0.2
1250 ppm	3.4± 0.3	3.7± 0.3	3.3± 0.2	4.1± 0.4
2500 ppm	3.3± 0.3	3.7± 0.2	3.6± 0.2	4.0± 0.3
5000 ppm	3.3± 0.3	3.6± 0.2	3.3± 0.2	4.0± 0.2
10000 ppm	2.8± 0.2**	3.5± 0.3	3.3± 0.2	3.7± 0.2
20000 ppm	2.6± 0.2**	3.4± 0.3	3.1± 0.3*	3.4± 0.1**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX E 1

WATER CONSUMPTION CHANGES : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-4(4)	1-7(3)	2-4(4)	2-7(3)
Control	4.9± 0.5	4.9± 0.5	4.7± 0.5	4.5± 0.5
1250 ppm	4.4± 0.9	4.2± 0.7	4.4± 0.5	4.2± 0.6
2500 ppm	4.6± 0.4	4.7± 0.4	4.7± 0.4	4.6± 0.2
5000 ppm	4.5± 0.2	5.9± 2.4	4.9± 0.3	4.7± 0.4
10000 ppm	3.7± 0.3**	3.9± 0.3	4.2± 0.3	3.8± 0.4
20000 ppm	2.4± 0.3**	3.0± 0.2**	2.8± 0.3**	2.8± 0.4**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX E 2

WATER CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-4(4)	1-7(3)	2-4(4)	2-7(3)
Control	4.2± 0.3	4.4± 0.7	4.6± 0.6	4.6± 0.2
1250 ppm	4.0± 0.6	4.1± 0.4	4.3± 0.4	4.6± 0.6
2500 ppm	3.9± 0.5	4.1± 0.4	4.5± 0.3	4.7± 0.5
5000 ppm	3.8± 0.4	3.9± 0.3	4.1± 0.3	4.3± 0.4
10000 ppm	2.9± 0.2**	3.5± 0.2**	3.7± 0.3**	3.8± 0.3*
20000 ppm	2.2± 0.3**	2.6± 0.3**	2.6± 0.2**	2.8± 0.4**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX F 1

CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : mg/kg/d a y
REPORT TYPE : A1 2
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (Week-Day) 1-4		1-7		2-4		2-7	
Control	0±	0	0±	0	0±	0	0±	0
1250 ppm	238±	51	225±	35	227±	26	214±	31
2500 ppm	509±	37	499±	38	489±	25	471±	18
5000 ppm	984±	70	1271±	523	1003±	108	937±	87
10000 ppm	1621±	139	1670±	103	1753±	124	1567±	206
20000 ppm	2198±	226	2579±	216	2428±	299	2338±	343

APPENDIX F 2

CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : mg/kg/day
REPORT TYPE : A1 2
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (Week-Day) 1-4		1-7		2-4		2-7	
Control	0±	0	0±	0	0±	0	0±	0
1250 ppm	250±	24	257±	19	266±	26	276±	24
2500 ppm	506±	50	526±	31	562±	16	586±	47
5000 ppm	956±	102	965±	58	1017±	62	1039±	65
10000 ppm	1566±	111	1832±	89	1942±	165	1892±	122
20000 ppm	2434±	228	2772±	240	2702±	213	2862±	334

APPENDIX G 1

HEMATOLOGY : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV fℓ	MCH pg	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	5	10.48± 0.25	15.8± 0.5	49.6± 0.9	47.3± 0.7	15.1± 0.2	31.9± 0.5	996± 68
1250 ppm	4	10.40± 0.41	15.7± 0.6	49.0± 1.5	47.2± 0.8	15.0± 0.1	31.9± 0.4	1037± 65
2500 ppm	5	10.46± 0.18	15.8± 0.3	49.2± 0.7	47.0± 0.6	15.1± 0.1	32.1± 0.3	1016± 63
5000 ppm	5	10.07± 0.13*	15.2± 0.2	47.5± 0.7**	47.1± 0.6	15.1± 0.1	32.0± 0.6	963± 44
10000 ppm	5	10.11± 0.11	15.3± 0.3	47.5± 0.8**	47.0± 0.5	15.1± 0.1	32.1± 0.3	982± 69
20000 ppm	5	10.22± 0.27	15.4± 0.5	47.7± 1.0*	46.7± 0.6	15.1± 0.2	32.3± 0.4	946± 58

Significant difference ; * : $P \leqq 0.05$ ** : $P \leqq 0.01$ Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RETICULOCYTE %
Control	5	2.1± 0.1
1250 ppm	4	2.4± 0.3
2500 ppm	5	2.2± 0.1
5000 ppm	5	2.6± 0.2**
10000 ppm	5	2.5± 0.2*
20000 ppm	5	2.2± 0.2

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$
Control	5	3.30± 0.91
1250 ppm	4	3.42± 1.25
2500 ppm	5	3.72± 2.36
5000 ppm	5	3.18± 1.74
10000 ppm	5	3.20± 1.47
20000 ppm	5	3.38± 1.52

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX G 2

HEMATOLOGY : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	4	9.98± 0.29	15.1± 0.5	46.4± 1.1	46.5± 0.3	15.1± 0.2	32.3± 0.4	852± 63
1250 ppm	5	10.41± 0.27	15.6± 0.5	48.2± 1.3	46.2± 1.2	15.0± 0.3	32.4± 0.6	881± 83
2500 ppm	5	10.10± 0.71	15.2± 1.0	47.5± 3.1	47.0± 0.3	15.1± 0.2	32.0± 0.4	922± 68
5000 ppm	5	10.11± 0.33	15.2± 0.4	47.0± 1.5	46.4± 0.2	15.1± 0.2	32.5± 0.3	884± 47
10000 ppm	5	9.90± 0.37	15.0± 0.5	46.1± 1.3	46.9± 0.6	15.2± 0.1	32.4± 0.4	860± 61
20000 ppm	5	10.16± 0.17	15.4± 0.3	47.3± 1.0	46.6± 0.4	15.1± 0.2	32.5± 0.3	888± 50

Significant difference ; * : $P \leqq 0.05$ ** : $P \leqq 0.01$ Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RETICULOCYTE %
Control	4	2.8± 1.0
1250 ppm	5	2.7± 0.7
2500 ppm	5	2.7± 0.3
5000 ppm	5	2.3± 0.3
10000 ppm	5	2.5± 0.6
20000 ppm	5	2.3± 0.4

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	WBC $10^3/\mu l$
Control	4	3.10± 1.04
1250 ppm	5	3.34± 1.93
2500 ppm	5	3.09± 1.05
5000 ppm	5	2.61± 1.03
10000 ppm	5	3.31± 1.44
20000 ppm	5	3.25± 1.94

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX H 1

GROSS FINDINGS : MALE :

ALL ANIMALS

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 2W)

Organ	Findings	Group Name / NO. of Animals	Control 5 (%)	1250 ppm 5 (%)	2500 ppm 5 (%)	5000 ppm 5 (%)
spleen	black zone		0 (0)	0 (0)	0 (0)	0 (0)

Organ	Findings	Group Name NO. of Animals	10000 ppm 5 (%)	20000 ppm 5 (%)
spleen	black zone		0 (0)	1 (20)

APPENDIX H 2

GROSS FINDINGS : FEMALE :

ALL ANIMALS

Organ	Findings	Group Name / NO. of Animals	Control 5 (%)	1250 ppm 5 (%)	2500 ppm 5 (%)	5000 ppm 5 (%)
spleen	black zone		0 (0)	0 (0)	1 (20)	1 (20)
kidney	hydronephrosis		0 (0)	1 (20)	0 (0)	0 (0)

Organ	Findings	Group Name NO. of Animals	10000 ppm 5 (%)	20000 ppm 5 (%)
spleen	black zone		0 (0)	0 (0)
kidney	hydronephrosis		0 (0)	0 (0)

APPENDIX I 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	24.9± 1.0	0.054± 0.006	0.012± 0.003	0.167± 0.044	0.142± 0.012	0.146± 0.009
1250 ppm	5	24.8± 0.4	0.055± 0.006	0.010± 0.001	0.190± 0.038	0.135± 0.012	0.147± 0.010
2500 ppm	5	24.6± 0.9	0.053± 0.006	0.011± 0.002	0.177± 0.021	0.139± 0.007	0.151± 0.015
5000 ppm	5	25.0± 0.7	0.055± 0.006	0.012± 0.002	0.195± 0.007	0.140± 0.008	0.151± 0.006
10000 ppm	5	24.4± 1.1	0.055± 0.004	0.011± 0.001	0.189± 0.016	0.135± 0.006	0.146± 0.006
20000 ppm	5	24.0± 0.7	0.059± 0.007	0.011± 0.001	0.194± 0.014	0.135± 0.009	0.148± 0.010

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	0.388± 0.023	0.062± 0.009	1.384± 0.085	0.444± 0.008
1250 ppm	5	0.402± 0.025	0.060± 0.004	1.384± 0.094	0.441± 0.011
2500 ppm	5	0.405± 0.020	0.058± 0.005	1.391± 0.131	0.453± 0.019
5000 ppm	5	0.409± 0.016	0.059± 0.005	1.409± 0.098	0.445± 0.013
10000 ppm	5	0.427± 0.019	0.059± 0.003	1.343± 0.013	0.441± 0.014
20000 ppm	5	0.409± 0.009	0.059± 0.007	1.302± 0.066	0.438± 0.016

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX I 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	20.7± 0.9	0.069± 0.007	0.014± 0.002	0.025± 0.007	0.118± 0.004	0.134± 0.008
1250 ppm	5	20.7± 1.6	0.069± 0.007	0.014± 0.001	0.023± 0.004	0.118± 0.008	0.135± 0.003
2500 ppm	5	20.1± 1.1	0.067± 0.006	0.013± 0.001	0.022± 0.002	0.113± 0.008	0.132± 0.008
5000 ppm	5	20.9± 0.6	0.071± 0.006	0.013± 0.002	0.023± 0.003	0.120± 0.009	0.136± 0.010
10000 ppm	5	20.1± 0.2	0.072± 0.009	0.013± 0.001	0.022± 0.002	0.119± 0.006	0.143± 0.013
20000 ppm	5	19.5± 0.7	0.069± 0.005	0.013± 0.001	0.021± 0.003	0.107± 0.005	0.133± 0.008

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	0.324± 0.103	0.075± 0.018	1.046± 0.050	0.449± 0.005
1250 ppm	5	0.363± 0.173	0.077± 0.017	1.092± 0.110	0.452± 0.009
2500 ppm	5	0.281± 0.011	0.069± 0.005	1.035± 0.077	0.437± 0.012
5000 ppm	5	0.285± 0.018	0.067± 0.004	1.085± 0.041	0.452± 0.010
10000 ppm	5	0.297± 0.010	0.063± 0.006	1.059± 0.109	0.437± 0.019
20000 ppm	5	0.295± 0.011	0.062± 0.004	0.967± 0.052	0.439± 0.012

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX J 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	24.9± 1.0	0.218± 0.027	0.047± 0.013	0.670± 0.159	0.573± 0.064	0.588± 0.054
1250 ppm	5	24.8± 0.4	0.221± 0.025	0.040± 0.005	0.767± 0.165	0.544± 0.050	0.593± 0.039
2500 ppm	5	24.6± 0.9	0.216± 0.017	0.043± 0.007	0.720± 0.085	0.564± 0.031	0.614± 0.043
5000 ppm	5	25.0± 0.7	0.220± 0.016	0.049± 0.008	0.779± 0.030	0.562± 0.027	0.603± 0.031
10000 ppm	5	24.4± 1.1	0.225± 0.014	0.044± 0.008	0.777± 0.087	0.553± 0.022	0.598± 0.017
20000 ppm	5	24.0± 0.7	0.244± 0.025	0.047± 0.004	0.811± 0.044	0.563± 0.032	0.618± 0.039

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.561± 0.100	0.250± 0.030	5.576± 0.444	1.788± 0.057
1250 ppm	5	1.621± 0.093	0.243± 0.012	5.578± 0.372	1.777± 0.058
2500 ppm	5	1.645± 0.053	0.234± 0.015	5.643± 0.372	1.841± 0.015
5000 ppm	5	1.638± 0.075	0.237± 0.020	5.637± 0.269	1.782± 0.073
10000 ppm	5	1.752± 0.123**	0.242± 0.007	5.505± 0.231	1.807± 0.039
20000 ppm	5	1.709± 0.026*	0.246± 0.024	5.439± 0.317	1.829± 0.048

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX J 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	20.7± 0.9	0.335± 0.023	0.068± 0.009	0.123± 0.035	0.573± 0.029	0.646± 0.030
1250 ppm	5	20.7± 1.6	0.335± 0.053	0.068± 0.009	0.112± 0.027	0.575± 0.055	0.654± 0.048
2500 ppm	5	20.1± 1.1	0.331± 0.023	0.064± 0.007	0.110± 0.008	0.563± 0.029	0.657± 0.041
5000 ppm	5	20.9± 0.6	0.341± 0.029	0.064± 0.009	0.108± 0.014	0.577± 0.045	0.653± 0.056
10000 ppm	5	20.1± 0.2	0.360± 0.046	0.065± 0.006	0.109± 0.009	0.594± 0.028	0.711± 0.065
20000 ppm	5	19.5± 0.7	0.355± 0.028	0.066± 0.004	0.109± 0.014	0.549± 0.019	0.679± 0.051

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0595
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.561± 0.468	0.363± 0.079	5.063± 0.283	2.176± 0.085
1250 ppm	5	1.723± 0.673	0.370± 0.063	5.291± 0.619	2.192± 0.185
2500 ppm	5	1.399± 0.064	0.342± 0.026	5.136± 0.143	2.174± 0.117
5000 ppm	5	1.370± 0.110	0.319± 0.014	5.205± 0.234	2.167± 0.083
10000 ppm	5	1.477± 0.054	0.316± 0.029	5.273± 0.508	2.175± 0.109
20000 ppm	5	1.513± 0.069	0.317± 0.021	4.953± 0.271	2.246± 0.066

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

APPENDIX K

METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY IN THE 2-WEEK DRINKING WATER STUDY OF 2-AMINOETHANOL

METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY IN THE 2- WEEK DRINKING WATER STUDY OF 2-AMINOETHANOL

Item	Method	Unit	Decimal place
Hematology			
Red blood cell (RBC)	Light scattering method[1)]	$\times 10^6/\mu L$	2
Hemoglobin(Hgb)	Cyanmethemoglobin method [1)]	g/dL	1
Hematocrit(Hct)	Calculated as RBC×MCV/10 [1)]	%	1
Mean corpuscular volume(MCV)	Light scattering method [1)]	fL	1
Mean corpuscular hemoglobin(MCH)	Calculated as Hgb/RBC×10 [1)]	pg	1
Mean corpuscular hemoglobin concentration (MCHC)	Calculated as Hgb/Hct×100 [1)]	g/dL	1
Platelet	Light scattering method [1)]	$\times 10^3/\mu L$	0
Reticulocyte	Light scattering method [1)]	%	1
White blood cell(WBC)	Light scattering method [1)]	$\times 10^3/\mu L$	2

1) Automatic blood cell analyzer (ADVIA120 : Bayer Corporation)