

2-ブロモプロパンの rasH2 マウスを用いた
吸入による中期がん原性試験報告書

試験番号 : 0886

APPENDICES

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APPENDIX 1-1 IDENTITY OF 2-BROMOPROPANE

APPENDIX 1-2 STABILITY OF 2-BROMOPROPANE

APPENDIX 2 ENVIRONMENTAL CONDITIONS OF INHALATION CHAMBER

APPENDIX 3 METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY
AND BIOCHEMISTRY

APPENDIX 1-1

IDENTITY OF 2-BROMOPROPANE

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

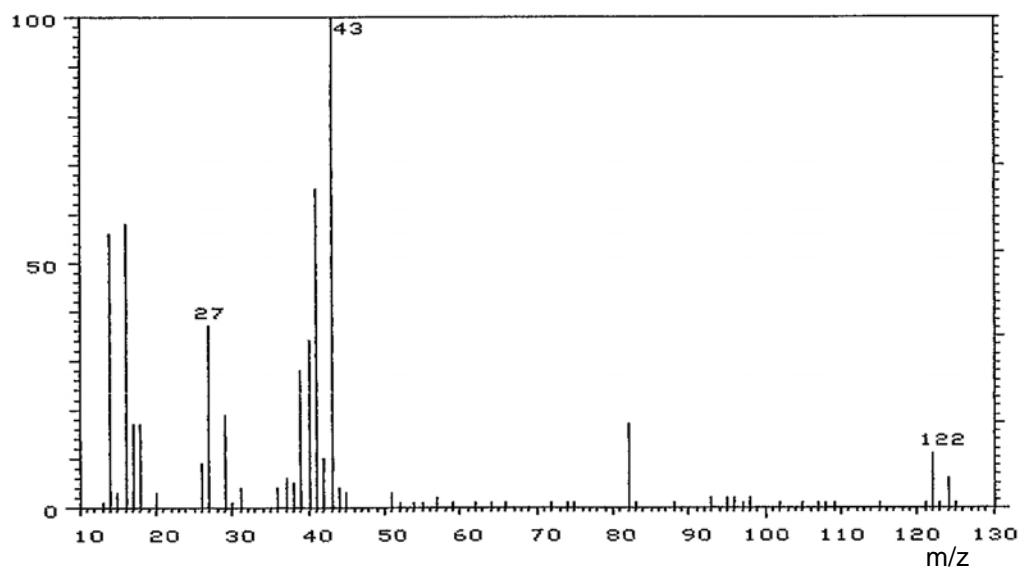
1. Lot No. : TWQ6860

Mass Spectrometry

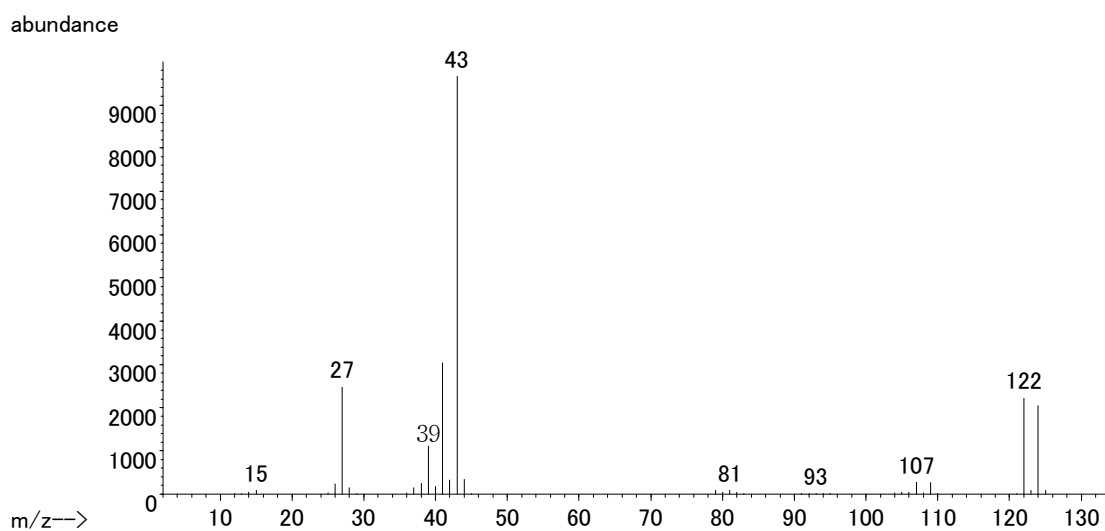
Instrument : Hitachi M-80B Mass Spectrometer

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.)

2. Conclusion: The test substance was identified as 2-bromopropane by mass spectrum.

APPENDIX 1-2

STABILITY OF 2-BROMOPROPANE

STABILITY OF 2-BROMOPROPANE

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

Lot No. : TWQ6860

1. Gas Chromatography

Instrument : Agilent Technologies 5890A Gas Chromatograph

Column : G-950 (1.2 mm ϕ \times 20 m)

Column Temperature : 150 °C

Flow Rate : 10 mL/min

Detector : FID (Flame Ionization Detector)

Injection Volume : 1 μ L

Date Analyzed	Peak No.	Retention Time (min)	Area (%)
2017.04.10	1	4.575	100
2017.10.17	1	4.678	100

Result: Gas chromatography indicated one major peak (peak No.1) analyzed on 2017.4.10 and one major peak (peak No.1) analyzed on 2017.10.17. No new trace impurity peak in the test substance analyzed on 2017.10.17 was detected.

2. Conclusion: The test substance was stable for the period that the test substance had been used for the study.

APPENDIX 2

ENVIRONMENTAL CONDITIONS OF INHALATION CHAMBER

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Group Name	Temperature (°C) Mean ± S.D.	Humidity (%) Mean ± S.D.	Ventilation Rate (L/min) Mean ± S.D.	Air Change (time/h) Mean
Control	23.0 ± 0.0	55.6 ± 0.6	738.2 ± 4.2	12.0
67 ppm	22.9 ± 0.0	55.2 ± 0.4	739.0 ± 4.7	12.0
200 ppm	23.0 ± 0.0	56.9 ± 0.7	737.0 ± 5.1	12.0
600 ppm	23.0 ± 0.0	56.2 ± 0.6	738.1 ± 4.0	12.0

APPENDIX 3

METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY

METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY

Item	Method	Unit	Decimal place
Hematology			
Red blood cell (RBC)	Light scattering method ¹⁾	$\times 10^6/\mu\text{L}$	2
Hemoglobin(Hgb)	Cyanmethemoglobin method ¹⁾	g/dL	1
Hematocrit(Hct)	Calculated as $\text{RBC} \times \text{MCV}/10$ ¹⁾	%	1
Mean corpuscular volume(MCV)	Light scattering method ¹⁾	fL	1
Mean corpuscular hemoglobin(MCH)	Calculated as $\text{Hgb}/\text{RBC} \times 10$ ¹⁾	pg	1
Mean corpuscular hemoglobin concentration (MCHC)	Calculated as $\text{Hgb}/\text{Hct} \times 100$ ¹⁾	g/dL	1
Platelet	Light scattering method ¹⁾	$\times 10^3/\mu\text{L}$	0
Reticulocyte	Light scattering method ¹⁾	%	1
White blood cell(WBC)	Light scattering method ¹⁾	$\times 10^3/\mu\text{L}$	2
Differential WBC	Light scattering method ¹⁾	%	0
Biochemistry			
Total protein(TP)	Biuret method ²⁾	g/dL	1
Albumin (Alb)	BCG method ²⁾	g/dL	1
A/G ratio	Calculated as $\text{Alb}/(\text{TP} - \text{Alb})$ ²⁾	—	1
T-bilirubin	BOD method ²⁾	mg/dL	2
Glucose	GlcK·G-6-PDH method ²⁾	mg/dL	0
T-cholesterol	CE·COD·POD method ²⁾	mg/dL	0
Triglyceride	MGLP·GK·GPO·POD method ²⁾	mg/dL	0
Phospholipid	PLD·ChOD·POD method ²⁾	mg/dL	0
Aspartate aminotransferase (AST)	JSCC method ²⁾	U/L	0
Alanine aminotransferase (ALT)	JSCC method ²⁾	U/L	0
Lactate dehydrogenase (LDH)	JSCC method ²⁾	U/L	0
Alkaline phosphatase (ALP)	JSCC method ²⁾	U/L	0
γ -Glutamyl transpeptidase (γ -GTP)	JSCC method ²⁾	U/L	1
Creatine kinase (CK)	JSCC method ²⁾	U/L	0
Urea nitrogen	Urease·GLDH method ²⁾	mg/dL	1
Sodium	Ion selective electrode method ²⁾	mEq/L	0
Potassium	Ion selective electrode method ²⁾	mEq/L	1
Chloride	Ion selective electrode method ²⁾	mEq/L	0
Calcium	OCPC method ²⁾	mg/dL	1
Inorganic phosphorus	PNP·XOD·POD method ²⁾	mg/dL	1

1) Automatic blood cell analyzer (ADVIA120 : Siemens Healthcare Diagnostics Inc.)

2) Automatic analyzer (Hitachi 7080 : Hitachi,Ltd.)