**Test Type:** 14-DAY **Route:** GAVAGE

Species/Strain: Rat/LONG-EVANS

### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin CAS Number: 73-31-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:10

First Dose M/F: NA / NA

Lab: BAT

C Number: C96013

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

Test Type: 14-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin

**CAS Number:** 73-31-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:10

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

С	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	l
LONG-EVANS Rat Male		<i>0</i> 2	<i>0 2</i>	<i>0 2</i>	<i>0 2</i>	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	<i>0</i> 2	1				
0 UG/KG		8	8	8	8	8	8	8	8	8	8	İ
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	l
		Ŏ	Ŏ	Ŏ	Ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	Ŏ	l
		0	0	0	0	0	0	0	0	0	1	****
		1	2	3	4	5	6	7	8	9	0	^IOTALS

#### **Alimentary System**

NONE

#### **Cardiovascular System**

NONE

### **Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

### **General Body System**

NONE

#### **Genital System**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System											

#### **Integumentary System**

Thymus

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

10

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 **LONG-EVANS Rat Male** 2 8 2 8 2 8 2 8 2 8 **2 8** *2* 8 **2 8 2 8** *2* 8 0 UG/KG 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 5 0 0 0 0 8 0 ANIMAL ID Õ 0 0 0 0 0 0 1 0 0 0 0 0 0 0 3 0 6 0 9 Ō 0 7 1 0

\*TOTALS

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Test Compound: Melatonin

Route: GAVAGE CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 **LONG-EVANS Rat Male** 2 8 2 8 2 8 **2 8 2 8** *2* 8 **2 8** *2* 8 **2 8** *2* 8 5 UG/KG 0 0 0 0 0 0 0 0 0 0 0 1 2 0 ANIMAL ID 0 Õ Ō 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 1 1 2 1 1 1 1 \*TOTALS 9

**Alimentary System** 

Test Type: 14-DAY

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

Testes + 1
Germinal Epith, Atrophy 3 1 3.0

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin + 1 Ulcer 3

Musculoskeletal System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

3.0

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY Test Compound: Melatonin Route: GAVAGE **CAS Number:** 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 **LONG-EVANS Rat Male** 2 8 2 8 2 8 2 8 2 8 **2 8** *2* 8 *2* 8 **2 8** *2* 8 0 0 0 0 0 0 0 0 0 1 2 0 0 0 1 5 0 0 0 1 8 0 ANIMAL ID Õ 0 0 0 0 0 0 0 0 0 0 0 1 1 1 2 1 1 9 6

\*TOTALS

**Nervous System** 

NONE

5 UG/KG

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 96013-02 P09: N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin

Route: GAVAGE CAS Number: 73-3

Species/Strain: Rat/LONG-EVANS

CAS Number: 73-31-4

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 **LONG-EVANS Rat Male** 2 8 2 8 2 8 **2 8 2 8** *2* 8 **2 8 2 8 2 8 2 8 50 UG/KG** 0 0 0 0 0 0 0 0 0 0 0 2 2 0 ANIMAL ID Ō 0 0 0 0 2 5 0 0 0 0 2 8 0 0 2 9 02 0 0 0 0 0 2 2 6 2 2 3

\*TOTALS

**Alimentary System** 

Test Type: 14-DAY

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin +

Inflammation, Chronic Active 3 1 3.0

Musculoskeletal System

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin

**CAS Number:** 73-31-4

Route: GAVAGE
Species/Strain: Rat/LONG-EVANS

Test Type: 14-DAY

**ber**: 73-31-4 Fi

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

Lab: BAT

LONG-EVANS Rat Male 50 UG/KG

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 2 8 2 8 2 8 2 8 2 8 **2 8 2 8 2 8** *2* 8 0 0 0 0 0 0 0 0 0 2 2 0 0 0 2 5 0 0 0 2 8 0 ANIMAL ID Ö Õ 0 0 0 0 2 1 0 2 4 0 2 9 0 0 0 0 2 2 6 2 3

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney + 1
Hydronephrosis 3 1 3.0

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Test Type: 14-DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin **CAS Number:** 73-31-4

Route: GAVAGE Species/Strain: Rat/LONG-EVANS Time Report Requested: 08:35:11

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
LONG-EVANS Rat Ma	le	<i>0</i> 2	0 2	0 2	0 2	<i>0</i> 2	2	2	2	2	0 2	
5000 UG/KG		8	8	8	8	8	8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	4	****
		1	2	3	4 1	5	16	17	l 8	9	0	IOIA

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin

Ulcer 3 1 3.0

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TE	EST 0	0	0	0	0	0	0	0	0	0	
LONG-EVANS Rat Male 5000 UG/KG	$\begin{bmatrix} 0\\2\\8 \end{bmatrix}$	0 2 8	$\begin{bmatrix} 0\\2\\8 \end{bmatrix}$	$\begin{bmatrix} 0\\2\\8 \end{bmatrix}$	0 2 8	$\begin{bmatrix} 0\\2\\8 \end{bmatrix}$	0 2 8	0 2 8	0 2 8	0 2 8	
ANIMAI	0	0	0 0	0 0	0 0	0 0	0 0	000	000	000	
	3	3 2	3	3	3 5	3	3	3	3 9	4 0	

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
LONG-EVANS Rat Male	0	0	0	0	0	0	0	0	0	0	
LONG-LVANS Ital Wale	2	2	2	2	2	2	2	2	2	2	
50,000 UG/KG	8	8	8	8	8	8	8	8	8	8	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
ANIWAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

**Alimentary System** 

Liver + 1
Hepatodiaphragmatic Nodule X

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node, Mandibular +

Hyperplasia, Lymphoid 4 1 4.0

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

+ ..Tissue examined microscopically M ..Missing tissue

X ..Lesion present A ..Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Compound: Melatonin Test Type: 14-DAY **CAS Number:** 73-31-4 Route: GAVAGE

Species/Strain: Rat/LONG-EVANS

DAY C	ON TEST $\theta$	)	0	0	0	0	0	0	0	0	0	
ONG-EVANS Rat Male			0	0	0	0	0	0	0	0	0	
	2		2	2	2	2	2	2	2	2	2	ı
50,000 UG/KG	8	8	8	8	8	8	8	8	8	8	8	
·	IIMAL ID	)	0	0	0	0	0	0	0	0	0	
ΛI	ן  טו ארוויוי	)	0	0	0	0	0	0	0	0	0	
	0	)	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	5	ĺ
	1	1	2	3	4	5	6	7	8	9	0	

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

A .. Autolysis precludes evaluation

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin

Route: GAVAGE Species/Strain: Rat/LONG-EVANS **CAS Number:** 73-31-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

DA	Y ON TEST	0	0	0	0	0	0	0	0	0	0	
LONG-EVANS Rat Male		<i>0</i> 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	0 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$						
200,000 UG/KG		8	8	8	8	8	8	8	8	8	8	
<b>,</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	AMINIAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	0	*IOTALS

**Alimentary System** 

Test Type: 14-DAY

NONE

#### **Cardiovascular System**

NONE

### **Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

#### **General Body System**

NONE

#### **Genital System**

Epididymis	+	+	+	+	+	+	+	+	+	+	10		
Degeneration							3					1	3.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10		
Prostate	+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10		
Testes	+	+	+	+	+	+	+	+	+	+	10		
Germinal Epith, Atrophy							3					1	3.0

**Hematopoietic System** 

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Compound: Melatonin

Species/Strain: Rat/LONG-EVANS

Test Type: 14-DAY

Route: GAVAGE

**CAS Number:** 73-31-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
LONG-EVANS Rat Male	0 2 8	0 2 8	0 2 8	2	0 2 8	2	0 2 8	0 2 8	0 2 8	0 2 8	
200,000 UG/KG ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0 5 1	0 5 2	0 5 3	0 5 4	0 5 5	0 5 6	0 5 7	0 5 8	0 5 9	0 6 0	*TOTALS
Thymus	+	+	+	+	+	+	+	+	+	+	10

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\*\*\*END OF MALE DATA\*\*\*

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 96013-02 P09: NON

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin

Route: GAVAGE CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UONG-EVANS Rat Female       0												
O UG/KG    2   2   2   2   2   2   2   2   2	O UG/KG    2   2   2   2   2   2   2   2   2	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
0 UG/KG   8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 UG/KG   8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	LONG-EVANS Rat Female	0	0	0	0	0	0	0	0	0	-	
ANIMAL ID 0 0 0 0 0 0 0 0 0 0	ANIMAL ID 0 0 0 0 0 0 0 0 0 0	0 UG/KG	8	8	8	8	8	8	8		8	_	
			0	0	0	0	0	0	0	0	0	-	
			1	2	3	4	5	6	7	8	9	0	*   (

**Alimentary System** 

Test Type: 14-DAY

NONE

#### **Cardiovascular System**

NONE

### **Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

### **General Body System**

NONE

#### **Genital System**

Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
F 1 (* 11 1 1 0 C											_

Endometrium, Hyperplasia, Cystic 1 1 2 1.0

**Hematopoietic System** 

#### **Integumentary System**

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Compound: Melatonin Test Type: 14-DAY Route: GAVAGE **CAS Number:** 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
LONG EVANS But Famala	0	0	0	0	0	0	0	0	0	0
LONG-EVANS Rat Female 0 UG/KG ANIMAL II	2	2	2	2	2	2	2	2	2	2
0 UG/KG	8	8	8	8	8	8	8	8	8	8
LONG-EVANS Rat Female	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

A .. Autolysis precludes evaluation

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Test Compound: Melatonin Test Type: 14-DAY Route: GAVAGE **CAS Number:** 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 **LONG-EVANS Rat Female** 2 8 2 8 2 8 2 8 **2 8 2 8 2 8 2 8 2 8 2 8** 0 0 0 0 0 0 0 0 0 0 ANIMAL ID Õ Õ Ō 0 0 0 0 0 1 1 1 1 1 1 1 1 1 2 9 9 9 9 5 9 9 9 0 9 9

\*TOTALS

**Alimentary System** 

NONE

5 UG/KG

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node, Mandibular

3 3.0 Hyperplasia, Lymphoid 1

Integumentary System

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
LONG-EVANS Rat Female	0	0	0	0	0	0	0	0	0	0
5 UG/KG	8	8	8	8	8	8	8	8	8	8
ΔΝΙΙΜΔΙ ΙΙ ΙΙ	0	0	0	0	0	0	0	0	0	0
	1	Ĭ	1	Ĭ	1	1	1	Ĭ	Ĭ	2
	9	9	9	9	9 5	9	9	9	9	0

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin CAS Number: 73-31-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# LONG-EVANS Rat Female 50 UG/KG

Species/Strain: Rat/LONG-EVANS

**Experiment Number: 96013-02** 

Test Type: 14-DAY

Route: GAVAGE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY
Route: GAVAGE

CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TEST

# LONG-EVANS Rat Female 50 UG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

Test Compound: Melatonin

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

**Experiment Number: 96013-02** 

DAY ON TEST

# LONG-EVANS Rat Female 5000 UG/KG

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY Route: GAVAGE

**CAS Number:** 73-31-4

Test Compound: Melatonin

Species/Strain: Rat/LONG-EVANS

DAY ON TEST

## **LONG-EVANS Rat Female** 5000 UG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 08:35:11

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Melatonin CAS Number: 73-31-4

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# LONG-EVANS Rat Female 50,000 UG/KG

Species/Strain: Rat/LONG-EVANS

**Experiment Number: 96013-02** 

Test Type: 14-DAY

Route: GAVAGE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY

Test Compound: Melatonin **CAS Number:** 73-31-4

Route: GAVAGE

Species/Strain: Rat/LONG-EVANS

DAY ON TEST

# **LONG-EVANS Rat Female** 50,000 UG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

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<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/23/2014 Time Report Requested: 08:35:11

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

Test Compound: Melatonin
CAS Number: 73-31-4

Species/Strain: Rat/LONG-EVANS

DAY ON TES	$\Gamma \mid \theta$	0	0	0	0	0	0	0	0	0	
LONG-EVANS Rat Female	0 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	
200,000 UG/KG	8	8	8	8	8	8	8	8	8	8	
ANIMAL II	0	0	0	0	0	0	0	0	0	0	
ANIWALII	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	3	3	3	3	3	3	3	3	3	4	****
	1	2	3	4	5	6	7	8	9	0	*IOTALS

**Alimentary System** 

NONE

## **Cardiovascular System**

NONE

### **Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

### **General Body System**

NONE

#### **Genital System**

Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
- 1 11 0											_

Endometrium, Hyperplasia, Cystic 1 1 2 1.0

**Hematopoietic System** 

Thymus + + + + + + + + + + 10

**Integumentary System** 

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

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4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X ..Lesion present

Test Type: 14-DAY **CAS Number:** 73-31-4 Route: GAVAGE

Species/Strain: Rat/LONG-EVANS

Test Compound: Melatonin

\*TOTALS

Time Report Requested: 08:35:11

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST  LONG-EVANS Rat Female  200,000 UG/KG  ANIMAL ID	0 0 2 8 0 0 0 2 3	0 0 2 8 0 0 2 3	0 0 2 8 0 0 2 3	0 0 2 8 0 0 0 2 4							
	3 1	2	3	3 4	5	6	7	8	9	0	

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\*\* END OF REPORT \*\*

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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