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TEST REPORT

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Applicant	:	EV Lighting Sdn. Bhd. Lot 3508, Jalan Cyber 14, Kawasan Perindustrian Senai IV, 81400 Senai, Johor Malaysia
Sample/Trade Name	:	EVLN Down Light with Sterilization
Reference Standard / Method of Test	:	1. OECD (2013), *In Vitro* Skin Irritation: Reconstructed Human Epidermis Test Method –OECD Guidelines for Testing of Chemicals No. 439 (LWI-238-43) 2. Protocol for: *In Vitro* EpiDerm™ Skin Irritation Test (EPI-200-SIT) – Reconstructed Human Epidermal Model EpiDerm (EPI-200-SIT). For use with MatTek Corporation MatTek Corporation (LWI-238-43) 3. Laboratory Working Instruction in line with Manufacturer's Method of *In Vitro* EpiDerm™ Skin Irritation Test (EPI-200-SIT) – Reconstructed Human Epidermal Model EpiDerm (EPI-200-SIT) (LWI-238-227)
Receipt of Sample Date	:	28 February 2023
Experimental Start Date	:	15 March 2023
Experimental End Date	:	23 March 2023
Job No.	:	J0315/23
Issue Date	:	11 April 2023

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9.5 **Prediction Model**

	Range of Viability (%)	**Standard Deviation of Viability (SD %)**	***In vitro* result**	***In vivo* prediction**
EVLN Down Light with Sterilization	67.4 – 91.9	0.10 – 3.58	mean tissue viability > 50 %	**Non-Irritant (NI)**
EV Down Light without Sterilization	66.0 – 82.8	0.32 – 7.27	mean tissue viability > 50 %	**Non-Irritant (NI)**
Untreated Tissues (NC)	100.0	0.96 - 3.61	mean tissue viability > 50 %	**Non-Irritant (NI)**
Untreated Tissues (PC)	18.8	2.94	mean tissue viability < 20	**Irritant (I)**

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10.0 CONCLUSION

Under the condition of this test, **EVLN Down Light with Sterilization** is considered as **Non-Irritant** to *in vitro* skin model EpiDerm™. The result showed that **EVLN Down Light with Sterilization** percentage of tissues viability is significantly higher than **EV Down Light without Sterilization** within 72 hours exposure period.

11.0 RETENTION OF RECORDS AND TEST ITEM

One report will be forwarded to the Sponsor. The other report, together with all generated raw data is maintained at the Industrial Biotechnology Research Centre Archives.

12.0 REFERENCES

12.1 OECD (2013), In *Vitro* Skin Irritation: Reconstructed Human *Epidermis* Test Method – OECD Guidelines for Testing of Chemicals No. 439

12.2 Protocol for: In *Vitro* EpiDerm™ Skin Irritation Test (EPI-200-SIT) – Reconstructed Human Epidermal Model EpiDerm (EPI-200-SIT). For use with MatTek Corporation

12.3 LWI-238-227 - Laboratory Working Instruction in line with Manufacturer's Method of In Vitro EpiDermTM Skin Irritation Test (EPI-200-SIT) – Reconstructed Human Epidermal Model EpiDerm (EPI-200-SIT)

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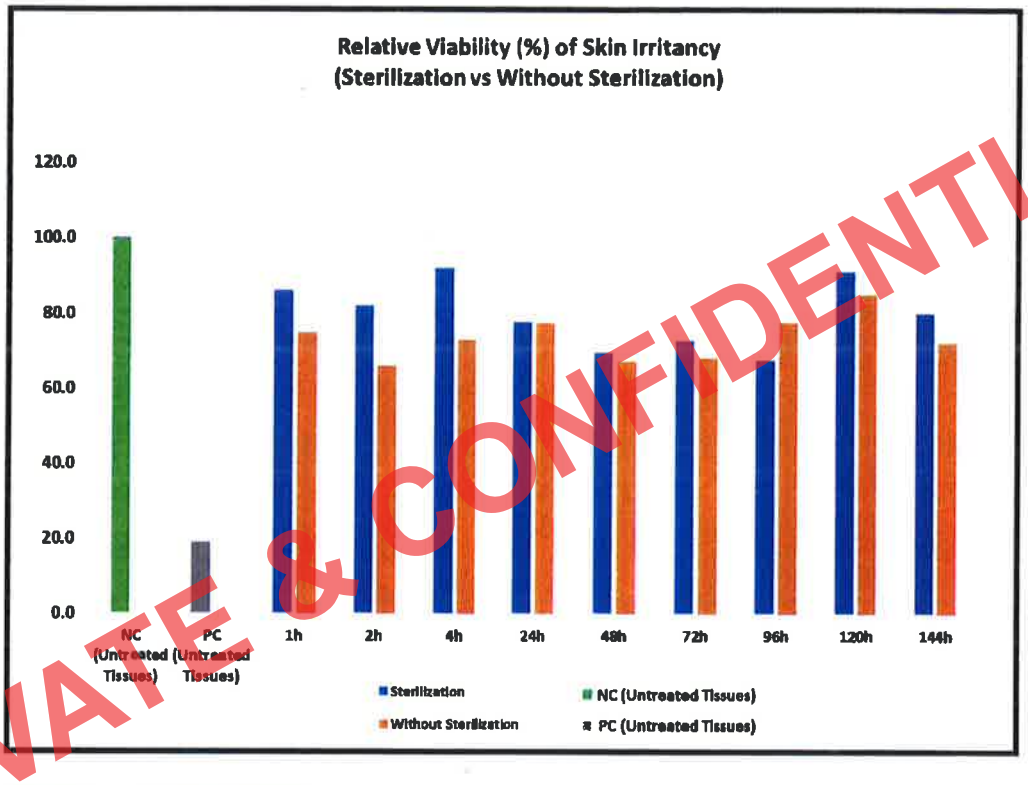

Figure 1 Relative Viability

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