



สถาบันเทคโนโลยีนิวเคลียร์แห่งชาติ (องค์การมหาชน)

Thailand Institute of Nuclear Technology (Public Organization)

9/9 หมู่ที่ 7 ต.ทรายมูล อ.องครักษ์ จ.นครนายก 26120 โทรศัพท์ 037-392945 โทรสาร 037-392945 www.tint.or.th
9/9 Moo 7 T. Saimoon A. Ongkarak Nakornnayok Province, 26120 Tel 037-392945 Fax. 037-392945

Monitoring Report

Report No. : X0117/64-001

Inspection Date : 2 February 2021

Customer : SOL-N TECH CO., LTD.

Address : 80/4, Soi Phraya Suren 15, Khlong sam wa, Bangkok, 10510

Sample type : Air purifier

Product name : UV care254

Model : UV-40-ST4

Lot Number : U40002

Instrument :	LUDLUM Model : 26-1 S/N: PF010921
Calibration Date :	18 June 2020

Measurement Result

Position	The radiation level of surface ($\mu\text{Sv/h}$)		The level of contamination of surface (Bq/cm^2)
	Beta	Gamma	
Top	Bg	Bg	<MLC
Bottom	Bg	Bg	<MLC
Left	Bg	Bg	<MLC
Right	Bg	Bg	<MLC

Background radiation (Bg) 0.15 $\mu\text{Sv/h}$

Note : MLC = Maximum Limit Contamination of 4.0 Bq/cm^2 β - γ emitter, 0.4 Bq/cm^2 α emitter.

Dose Limit of ICRP 103 :

Occupational Exposure : Effective Dose (in a year) 20 mSv averaged over five consecutive years.
50 mSv in any single year.

Public Exposure : Effective Dose (in a year) 1 mSv averaged over five consecutive years.
5 mSv in any single year

This report represented our findings basing upon the sample(s) and time as described above only.

(Mr. Sahakan Monthornwattana)

Nuclear Scientist, Professional level

Inspector

(Mr. Dhanaj Saengchantr)

Manager of Nuclear Technology Service

Center

Approver

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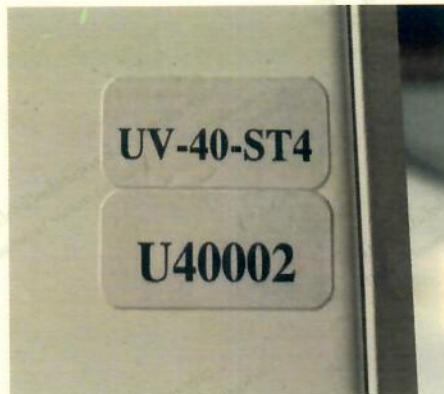
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Sample



Lot Number