



DOSIMETER USER MANUAL

Dosimeters are personal devices used for specifying exposure dose of radiation exposed by people working with radiation sources. According to the 21st article published in Official Gazette No. 23999 dated 24.03.2000, of Radiation Safety Regulation TAEK "people serve in A position whose annual dose is likely to exceed the 3/10 of permitted level, are required to use the personal dosimeter."

- 1- The dosimeters will be sent with dosimeter distribution list which indicated the user's name, user's surname and number of dosimeter. Dosimeters shall be delivered to each user when reach to company.
- 2- New dosimeters will be sent before 7(seven) days at the beginning of each period and the dose result report of previous period will be sent with the dosimeter distribution list.
- 3- After new period's dosimeters delivered to the user, the dosimeter(s) shall be taken back from the user which were used in the previous period and send to RADAT Dosimetry Laboratory Services in 1 week via contracted courier and the company should send the tracking number to RADAT Dosimetry Laboratory Services.
- 4- In case of the changing of the dosimeter user, the issue should be noticed to RADAT Dosimetry Laboratory Service Co. and required information (user's name, user's surname and number of dosimeter etc.) of the new user and the previous user which will be cancelled should be noticed to RADAT Dosimetry Laboratory Service Co.
- 5- In case of the changing of the dosimeter user, while the dosimeter deliver to new user, taken into account delivered dosimeter shall not be used in radiation field before. If delivered dosimeter used in radiation field before, the dosimeter shall be sent back to RADAT Dosimetry Lab. immediately and must provide new dosimeter to new user.
- 6- Do not use dosimeters in radiaiton field after working hours and do not expose temperature, humidity and pressure.
- 7- Dosimeter should be taken from the storage bin before starting the work and should be put in the same place end of the shift. In case the dosimeter's storage place is exposed to radiation or if the dosimeter is left in the radiation field, the evaluated dose value will not to be the exact dose value. During the work, if there is any extra ordinary situation occured or the user is thought to be exposed to the high radiation dose, it should be noticed to the related authority and the dosimeter(s) should be sent to RADAT Dosimetry Laboratory Services immediately. When the dosimeter(s) arrive RADAT Dosimetry Laboratory



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Services the dosimeter(s) will be evaluated and the user(s) dose will be noticed to the company immediately.

- 8- The dosimeters should be pinned to the upper pocket or collar. During the usage of dosimeter, back side of the dosimeter should be in contact with the body and nothing (pencil, name badge etc.) has to be in front of the dosimeter. In case the usage of lead apron, dosimeter should be pinned under the lead apron. Dosimeter's holder shall not be opened.
- 9- Finger-ring dosimeters shall be used in glove due to prevent radiation contamination and transparent side of the finger-ring dosimeter shall be worn facing outer.
- 10- If lead apron is worn during working, dosimeter shall be worn under the lead apron due to measure actual whole body dose.