

Current Topics in Biophysics (Zagadnienia Biofizyki Współczesnej) vol. 33(suppl.A), 2010, 199-202

EPR of γ - irradiated $\text{CsH}_3 (\text{SeO}_3)_2$

Nikolaj Sergeev, Oleg Falaleev

The γ -irradiated single crystals of trihydroselenite of cesium, $\text{CsH}_3 (\text{SeO}_3)_2$, (CTHS) have been studied by method EPR. It was shown that γ irradiation of CTHS produce two type of free radicals – SeO_2^- and O_2^- . It was observed the hyperfine and superhyperfine interactions of the magnetic moment of unpaired electron of the radical SeO_2^- with magnetic moments of nuclei ^{77}Se , ^{133}Cs and ^1H .