

## ERRATUM TO: “EPR SPECTROSCOPY OF TETRABORATE GLASSES, DOPED WITH Mn AND Cu”, CTBo 2010, 33 (suppl. A) 171-175

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Received October 12, 2012; accepted October 17, 2012; published online December 31, 2012

After publication of this paper, during the sequence of further optical measurements of the same samples we noticed that one of the samples was incorrectly labeled. In order to correct this mistake, published results were

checked and corrected. Figure 1 with corresponding caption, caption for Figure 2 and Tables 1-3 changes as follows:

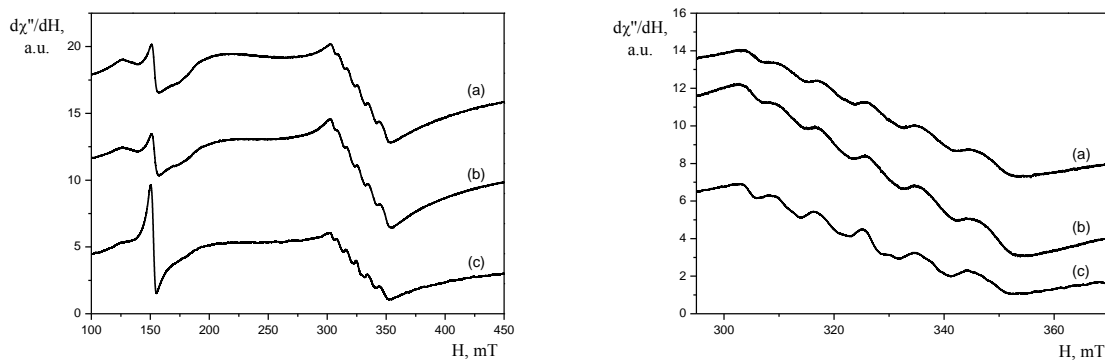


Fig. 1. The room temperature EPR spectra of the KLTB:Mn (a) and LTB:Mn (b, c) glasses, containing 0.4 mol.% (c) and 1.6 mol.% (a, b) of the MnO<sub>2</sub> compound. Left side – complete EPR spectra, right side – central part of the EPR spectra.

Fig. 2. The room temperature EPR spectra of the KLTB:Cu (a, b) and LTB:Cu (c, d) glasses, containing 0.4 mol.% (b, d) and 1.6 mol.% (a, c) of the CuO compound. Left side – complete EPR spectra, right side – central part of the EPR spectra.

Table 1. The parameters of EPR signals of the Fe<sup>3+</sup> centres in tetraborate glasses

Glass composition	Impurity amount (mol.%)	<i>g</i> -factor value	EPR linewidth, $\Delta H_{pp}$ (mT)
Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> :Cu	0.4	4.31 ± 0.01	4.0 ± 0.5
	1.6	4.27 ± 0.01	3.9 ± 0.5
KLiB <sub>4</sub> O <sub>7</sub> :Cu	0.4	4.29 ± 0.01	3.6 ± 0.5
	1.6	4.28 ± 0.01	3.7 ± 0.5
Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> :Mn	0.4	4.31 ± 0.01	5.4 ± 0.5
	1.6	4.26 ± 0.01	6.2 ± 0.5
KLiB <sub>4</sub> O <sub>7</sub> :Mn	1.6	4.27 ± 0.01	6.0 ± 0.5

Table 2. The parameters of EPR spectra of the  $Mn^{2+}$  centres in tetraborate glasses

Glass composition	$MnO_2$ amount (mol.%)	$g_{iso}$	$A_{iso}$ (mT)	$\Delta B_{iso}$ (mT)
$Li_2B_4O_7:Mn$	0.4	$2.03 \pm 0.01$	$8.9 \pm 0.5$	$6.2 \pm 0.5$
	1.6	$2.03 \pm 0.01$	$8.9 \pm 0.5$	$6.9 \pm 0.5$
$KLiB_4O_7:Mn$	1.6	$2.03 \pm 0.01$	$8.7 \pm 0.5$	$7.0 \pm 0.5$

Table 3. The parameters of EPR spectra of the  $Cu^{2+}$  centres in tetraborate glasses

Glass composition	CuO amount (mol.%)	$g_{//}$	$g_{\perp}$	$A_{//}$ (mT)	$A_{\perp}$ (mT)	$\Delta B_{pp}^{\parallel}$ (mT)	$\Delta B_{pp}^{\perp}$ (mT)
$Li_2B_4O_7:Cu$	0.4	$2.31 \pm 0.01$	$2.06 \pm 0.01$	$15.5 \pm 0.5$	$2.9 \pm 0.5$	$5.1 \pm 0.5$	$1.7 \pm 0.5$
	1.6	$2.31 \pm 0.01$	$2.06 \pm 0.01$	$14.9 \pm 0.5$	$2.7 \pm 0.5$	$5.7 \pm 0.5$	$1.7 \pm 0.5$
$KLiB_4O_7:Cu$	0.4	$2.31 \pm 0.01$	$2.06 \pm 0.01$	$15.2 \pm 0.5$	$2.9 \pm 0.5$	$5.9 \pm 0.5$	$1.7 \pm 0.5$
	1.6	$2.31 \pm 0.01$	$2.06 \pm 0.01$	$15.2 \pm 0.5$	$2.8 \pm 0.5$	$5.9 \pm 0.5$	$1.9 \pm 0.5$