Oskarsson, Ståhl, Svensson & Ymén, 1981): the polymer
increases the divergence by scattering. The $d_r$ value is thus
to be taken as a single adjustable parameter describing the
primary beam and dependent on the experimental set up as a
whole.

The results in Table 1 indicate an enhancement of both
precision and accuracy on application of the described
correction. The e.s.d.'s of the lattice constants are reduced
slightly in all cases. The magnitude of corrections to the
lattice constants of the small crystal 3 correspond approx-
imately to 15 K thermal expansion in that range of temper-
atures. The accuracy of the determinations can be estimated
from a comparison with the more accurate Bond diffracto-
meter lattice constants corrected for thermal expansion to
299 K: $a = 5.48183(6)$ and $c = 5.17262(4)$ Å. The relative
differences are $1.2 \times 10^{-4}$ and $3 \times 10^{-5}$ for $a$ and $c$
from crystal 4 at 299 K. Observations on further $\alpha$-LiIO$_3$
crystals with CAD4 at 299 K indicate an obtainable accuracy of
around 0.02%, which is about the same as that expected for
crystals with $\mu R \leq 1$ if $20 \geq 60^\circ$.

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and to Dr J. Albertsson for valuable comments.

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Cryst. 18, 1035–1038.


SVENSSON, C., ALBERTSSON, J., LIMINGA, R., KVICK, Å. &


Crystal Data


Crystal data for Rb$_2$CoCl$_4$.2H$_2$O.* By Jiří HYBLER and MARCELA
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(Received 15 February 1983; accepted 9 May 1983)

Abstract

This compound is triclinic, probably isostructural with
Rb$_3$MnCl$_4$.2H$_2$O, the space group is P1 or P1, $a = 6.50$

*The full text has been deposited with the British Library Lending
Division as Supplementary Publication No. SUP 38574 (3 pp.).
Copies may be obtained through The Executive Secretary, Interna-
tional Union of Crystallography, 5 Abbey Square, Chester CH1
2HU, England.

Crystal data for magnesium decavanadate, Mg$_3$V$_{10}$O$_{28}$.28H$_2$O.* By G. RIGOTTI, M. E.
ESCOBAR and E. J. BARAN, Facultad de Ciencias Exactas, Universidad Nacional de La Plata, 1900 – La Plata, Argentina

(Received 29 March 1983; accepted 9 June 1983)

Abstract

Crystal data for Mg$_3$V$_{10}$O$_{28}$.28H$_2$O were determined from
oscillation, Weissenberg and precession photographs using

*The full text has been deposited with the British Library Lending
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