## Erratum

## Ladder Structure of the Arsenomethane Polymer: A Correction

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A recent experience with twinned crystals has prompted us to re-examine the structure of the purple arsenomethane polymer [1]. The proposed ladder formulation remains basically unaltered, but the crystals we examined are better described as monoclinic twins, space group I2/a (No. 15, standard orientation C2/c) with a=5.82, b=5.79, c=13.66 Å,  $\beta=93.0^\circ$ ; there are eight MeAs units in the cell whose general positions are  $(0, 0, 0; 1/2, 1/2, 1/2) \pm |x, y, z; 1/2 + x, \overline{y}, z|$ . The twins are related by rotation of 180° about the monoclinic a axis or by reflection in the monoclinic ab plane. Refinement of four parameters in I2/a gave a final R-factor of 0.063 for 53 Okl reflections. The final y and z co-ordinates are As (0.207, 0) and C(0.242, 0.143), essentially unchanged from the values previously given [1]. The x co-ordinates in the space group I2/a (origin shift of a/4, 0, 0 from Ima2) are no longer constrained by symmetry to specific values, so  $x_{As}$  may be slightly different from zero while  $x_{C}$ , which must still be close to  $x_{As}$ , should be less than 0.09 to ensure that the contact between methyl groups at (x, y, z) and (1/2 - x, 1/2 - y, 1/2 - z) is greater than 3.4 Å.

A full three-dimensional analysis should clearly be carried out on this novel structure, but we have been unable to find a crystal of sufficiently high quality to justify this course.

## REFERENCE

[1] J. J. Daly & F. Sanz, Helv. 53, 1879 (1970).