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Crystal Data: Monoclinic. *Point Group:* 2/m. Crystals are pseudohexagonal, flattened on $\{010\}$, with $\{101\}$, $\{103\}$, $\{\overline{1}01\}$, $\{111\}$, and $\{11\overline{1}\}$, to 0.2 mm.

Physical Properties: Cleavage: Perfect on $\{010\}$. Hardness = 2.5 D(meas.) = 3.12 D(calc.) = 3.11

 $\begin{tabular}{ll} \textbf{Optical Properties:} & Semitransparent. & Color: Canary-yellow. & Streak: Pale yellow. \\ \end{tabular}$

Luster: Resinous to adamantine.

Optical Class: Biaxial (–). Pleochroism: Strong; X = colorless; Y = Z = yellow. Orientation: $X = b; Z \wedge a = 47^{\circ}$. $\alpha = 1.70(1)$ $\beta = 2.21(2)$ $\gamma = 2.38(2)$ 2V(meas.) = n.d. $2V(\text{calc.}) = 48^{\circ}$

Cell Data: Space Group: $P2_1/n$. a = 10.618(5) b = 13.825(7) c = 10.482(5) $\beta = 91.61(4)^{\circ}$ Z = 16

X-ray Powder Pattern: Lake Como, Colorado, USA. 3.322 (100), 3.248 (93), 6.94 (84), 3.680 (58), 3.79 (53), 2.656 (51), 2.620 (41)

Chemistry:

	(1)	(2)
MoO_3	78.60	79.98
Fe_2O_3	trace	
$\mathrm{H_2O}$	[21.40]	20.02
Total	[100.00]	100.00

(1) Lake Como, Colorado, USA; by electron microprobe, average of 15 analyses, $\rm H_2O$ by difference. (2) $\rm MoO_3 \bullet 2H_2O$.

Occurrence: An oxidation product of jordisite in a quartz vein.

Association: Jordisite, quartz.

Distribution: From near Lake Como, Hinsdale Co., Colorado, USA.

Name: To honor Dr. Sidney Arthur Williams (1933–), American mineralogist and petrologist of Douglas, Arizona, USA, for his contributions to the mineralogy of oxidation zones of ore deposits.

Type Material: National School of Mines, Paris, France.

References: (1) Cesbron, F. and D. Ginderow (1985) La sidwillite, MoO₃.2H₂O; une nouvelle espèce minérale de Lake Como, Colorado, USA. Bull. Minéral., 108, 813–823 (in French with English abs.). (2) (1986) Amer. Mineral., 71, 1546 (abs. ref. 1).